

SUBJECT INDEX TO VOLUME 106

Miscellaneous

Errata

Erratum: Analyses of Archival Data for Cool Dwarfs. II. A Catalog of Temperatures (1994, *PASP*, 106, 452). — Benjamin J. Taylor; 106 (702), 919.

Erratum: The *HST* Quasar Absorption Line Key Project. VIII. CCD Imaging of *Hubble Space Telescope* Quasar Fields (1994, *PASP*, 106, 646). — Sofia Kirhakos, W. L. W. Sargent, Donald P. Schneider, John N. Bahcall, Buell T. Jannuzi, Dan Maoz, and Todd A. Small; 106 (703), 1020-1.

Comments

The La Palma Data Archive. — E. J. Zuiderwijk, R. Martin, E. Raimond, and G. N. J. van Diepen; 106 (699), 515-22.

Addenda

Erratum: "Institutional Productivities (1993, *PASP*, 105, 794)". — Helmut A. Abt; 106 (695), 107.

Astronomical Sociology

The Current Burst in Astronomical Publications. — Helmut A. Abt; 106 (703), 1015-7.

Invited Review Papers

Astrophysics in 1993. — Virginia Trimble and Peter J. T. Leonard; 106 (695), 1-24.

OB Associations: Massive Stars in Context. — Catharine D. Garmany; 106 (695), 25-37.

Quasar Surveys. — Paul C. Hewett and Craig B. Foltz; 106 (696), 113-30.

The DQ Herculis Stars. — Joseph Patterson; 106 (697), 209-38.

Early Stellar Evolution. — Steven W. Stahler; 106 (698), 337-43.

Planetary Nebulae: A Modern View. — Sun Kwok; 106 (698), 344-55.

Comets Disguised as Asteroids. — Jane Luu; 106 (699), 425-35.

Invited Review Paper Abundance Differences Among Globular-Cluster Giants: Primordial Versus Evolutionary Scenarios. — Robert P. Kraft; 106 (700), 553-65.

Invited Review Paper Astronomical Catastrophes in Earth History. — Sidney van den Bergh; 106 (701), 689-95.

Binary-Star Light-Curve Models. — R. E. Wilson; 106 (703), 921-41.

Invited Review Paper The Luminous Blue Variables: Astrophysical Geysers. — Roberta M. Humphreys and Kris Davidson; 106 (704), 1025-51.

Invited Review Paper The Search for Primeval Galaxies. — C. J. Pritchet; 106 (704), 1052-67.

The Hubble Parameter Revisited. — Sidney van den Bergh; 106 (705), 1113-9.

Sky Subtraction with Fiber Spectrographs. — C. Lissandrini, S. Cristiani, and F. La Franca; 106 (705), 1157-64.

Dissertation Summaries

Theoretical Asteroseismology of White Dwarf Stars: The Encyclopedia Seismologica. — Paul Andrew Bradley; 106 (695), 104.

Spectropolarimetry of Seyfert 2 Galaxies with Obscured Broad-Line Regions. — Hien D. Tran; 106 (695), 105.

The Physical Diagnostics and Ionization Structure of the Orion Nebula. — Donald K. Walter; 106 (695), 106.

Effects of Microscopic Diffusion and Rotational Mixing on Stellar Models. — Brian Chaboyer; 106 (696), 200.

A Study of the UV-Bright Stars in Omega Centauri and the Type II Cepheid ST Puppis. — Guillermo Gonzalez; 106 (696), 201.

Self-Consistent Models of Barred Spiral Galaxies. — David E. Kauffmann; 106 (696), 202.

Radio-Emitting X-Ray Binaries. — Josep Martí-Ribas; 106 (696), 203.

Early Evolution of Low-Mass Stars and Objects Close to the Substellar Mass Limit. — Eduardo Lorenzo Martí Guerro de Escalante; 106 (696), 204.

Globular-Cluster Photometry Near the Turnoff: Blue Stragglers, Relative Ages, and the Horizontal Branch. — Ata Sarajedini; 106 (696), 205.

Stellar Oxygen Abundances. — Jeremy R. King; 106 (698), 423.

Star Formation in Giant Extragalactic H II Regions. — Y. Divakara Mayya; 106 (698), 424.

Time Variability of Broad-Absorption-Line QSOs. — Thomas A. Barlow; 106 (699), 548.

A Multi-Wavelength Exploration of the Nearby Starburst Galaxy Maffei 2. — Robert L. Hurt; 106 (699), 549.

Speckle Imaging with the Multi-Anode Microchannel Array Detector. — Elliott Pierce Horch; 106 (700), 688.

Kinematics and Stellar Populations of the Galactic Bulge. — Dante Minniti; 106 (701), 813.

An Observational Study of Galaxies and their Environment on Large Scales. — Douglas Lee Tucker; 106 (701), 814.

Temporal Variations in the Circumstellar Shell IRC + 10216. — Pedro Antonio Valdés Sada; 106 (701), 815.

Taking the Twinkle Out of the Stars: An Adaptive Wavefront Tilt Correction Servo and Preliminary Seeing Study for SUSI. — Theo Ten Brummelaar; 106 (702), 915.

Radio Spectra and Star-Formation Histories in H II Galaxies. — Hans-Jörg Deeg; 106 (702), 916.

Group Delay Tracking with the Sydney University Stellar Interferometer. — Peter R. Lawson; 106 (702), 917.

Optical and Ultraviolet Spectroscopy of VW Hydri. — A. Talat Saygac; 106 (702), 918.

A Study of the Cometary Globules in the Gum Nebula. — T. K. Sridharan; 106 (703), 1018.

The UV Polarization of X-ray Binary Systems Observed with the *Hubble Space Telescope*. — Karen G. Wolinski; 106 (703), 1019.

Narrow-Line Region Kinematics in Seyfert Nuclei. — David Moore; 106 (704), 1111.

Physical Conditions of Molecular Gas in the Galaxy. — Seichi Sakamoto; 106 (704), 1112.

Soft X-ray Analysis and Multiwavelength Modeling of X-ray-Selected Active Galactic Nuclei. — Richard J. Thompson, Jr.; 106 (705), 1222.

Reports on Colloquia, Congresses, Meetings, Symposia, Expeditions

Supernova Remnants and the Physics of Strong Shock Waves. — Donald C. Ellison, Stephen P. Reynolds, Kazimierz Borkowski, Roger Chevalier, Donald P. Cox, John R. Dickel, Ryszard Pisarski, John Raymond, Stephen R. Spangler, Heinrich J. Völk, and John P. Wefel; 106 (701), 780-97.

Astronomical Instruments and Techniques

Astronomical Optics

Wavefront Reconstruction Error of Shack-Hartmann Wavefront Sensors. — N. Takato, M. Iye, and I. Yamaguchi; 106 (696), 182-8.

A Low-Dispersion Survey Spectrograph (LDSS-2) for the William Herschel Telescope. — Jeremy Allington-Smith, Mike Breare, Richard Ellis, Dave Gellatly, Karl Glazebrook, Paul Jorden, John MacLean, Paddy Oates, Graham Shaw, Nial Tanvir, Keith Taylor, Philip Taylor, John Webster, and Sue Worswick; 106 (703), 983-91.

A Reflective Shack-Hartmann Wave-Front Sensor for Adaptive Optics. — D'nardo Colucci, Michael Lloyd-Hart, David Wittman, Roger Angel, Andrea Ghez, and Brian McLeod; 106 (704), 1104-10.

Second-Order UV Contamination in Astronomical Spectra. — A. Gutiérrez-Moreno, S. Heathcote, H. Moreno, and M. Hamuy; 106 (705), 1184-9.

Astronomical Instruments

High-Resolution Imaging with a Tip-Tilt Cassegrain Secondary. — L. M. Close and D. W. McCarthy, Jr.; 106 (695), 77-86.

KSPEC—A Near-Infrared Cross-Dispersed Spectrograph. — Klaus-Werner Hodapp, Joseph L. Hora, Everett Irwin, and Tony Young; 106 (695), 87-93.

GRIS: The Grating Infrared Spectrometer. — Rodger I. Thompson, Harland W. Epps, Greg Winters, William Womack, and Eric Mentzell; 106 (695), 94-100.

The Photometric Properties of the *HST* Astrometer Fine Guidance Sensor. — B. Bucciarelli, S. T. Holfeltz, M. G. Lattanzi, L. G. Taff, and P. C. Vener-Saavedra; 106 (698), 417-22.

On-Chip Image-Processing Algorithm for Real-Time CCD-Based Star Trackers and Wavefront Sensors. — Marek Chmielewski; 106 (699), 523-31.

Devices for Observatory Automation. — R. K. Honeycutt, B. R. Adams, D. J. Swearingen, and W. R. Kopp; **106** (700), 670-4.

Speckle Imaging with the Multi-Anode Microchannel Array Detector. — Elliott Pierce Horch; **106** (700), 688.

The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.

The Montréal Near-Infrared Camera. — Daniel Nadeau, David C. Murphy, René Doyon, and Neil Rowlands; **106** (702), 909-14.

Taking the Twinkle Out of the Stars: An Adaptive Wavefront Tilt Correction Servo and Preliminary Seeing Study for SUSI. — Theo Ten Brummelaar; **106** (702), 915.

Group Delay Tracking with the Sydney University Stellar Interferometer. — Peter R. Lawson; **106** (702), 917.

A Low-Dispersion Survey Spectrograph (LDSS-2) for the William Herschel Telescope. — Jeremy Allington-Smith, Mike Breare, Richard Ellis, Dave Gellatly, Karl Glazebrook, Paul Jorden, John MacLean, Paddy Oates, Graham Shaw, Nial Tanvir, Keith Taylor, Philip Taylor, John Webster, and Sue Worswick; **106** (703), 983-91.

Speckle Imaging with the MAMA Detector: Preliminary Results. — E. Horch, J. F. Heanue, J. S. Morgan, and J. G. Timothy; **106** (703), 992-1002.

Closure-Phase Imaging with Partial Adaptive Correction. — Christopher A. Haniff and Richard W. Wilson; **106** (703), 1003-14.

A Reflective Shack-Hartmann Wave-Front Sensor for Adaptive Optics. — D'ardo Colucci, Michael Lloyd-Hart, David Wittman, Roger Angel, Andrea Ghez, and Brian McLeod; **106** (704), 1104-10.

Correcting the Distortion of Images Taken with the Ultraviolet Imaging Telescope. — Michael R. Greason, Joel D. Offenberger, Robert H. Cornett, Robert S. Hill, and Theodore P. Stecher; **106** (705), 1151-6.

Calibration of the *UBVRI* High-Speed Photometer of Laboratório Nacional de Astrofísica, Brazil. — F. Jablonski, R. Baptista, J. Barroso, Jr., C. D. Gneiding, F. Rodrigues, and R. P. Campos; **106** (705), 1172-83.

Second-Order UV Contamination in Astronomical Spectra. — A. Gutiérrez-Moreno, S. Heathcote, H. Moreno, and M. Hamuy; **106** (705), 1184-9.

Radio Telescopes and Equipment

Coexisting with GLONASS: Observing the 1612 MHz Hydroxyl Line. — W. L. Combrinck, M. E. West, and M. J. Gaylard; **106** (701), 807-12.

Auxiliary Instrumentation, Photographic Materials, Clocks

Using DSPs to Build Modular Data-Acquisition and Instrument Control Systems: Shifting Functionality from Hardware to Software. — J. M. Achtermann; **106** (696), 173-81.

Devices for Observatory Automation. — R. K. Honeycutt, B. R. Adams, D. J. Swearingen, and W. R. Kopp; **106** (700), 670-4.

Space Instrumentation

Geometry of the *Hubble Space Telescope* Wide Field/Planetary Camera Field. — Andrew Gould and Brian Yanny; **106** (695), 101-3.

Astrometry with *Hubble Space Telescope* Fine Guidance Sensor Number 3: Position-Mode Stability and Precision. — G. F. Benedict, B. McArthur, E. Nelan, D. Story, A. L. Whipple, W. H. Jefferys, Q. Wang, P. J. Shelus, P. D. Hemenway, J. McCartney, Wm. F. van Altena, R. Duncombe, O. G. Franz, and L. W. Fredrick; **106** (697), 327-36.

The Photometric Properties of the *HST* Astrometer Fine Guidance Sensor. — B. Bucciarelli, S. T. Holfeltz, M. G. Lattanzi, L. G. Taff, and P. C. Vener-Saavedra; **106** (698), 417-22.

The Effect of Double Stars on the Guidance System of the *Hubble Space Telescope*. — John L. Hershey and Pierre Y. Bély; **106** (699), 542-7.

A Rocket-Borne Observation of the Near-Infrared Sky Brightness. — S. Matsuura, M. Kawada, H. Matsuhara, T. Matsumoto, M. Noda, M. Tanaka, and J. J. Bock; **106** (701), 770-9.

Removing Cosmic-Ray Hits from Multiorbit *HST* Wide Field Camera Images. — Rogier A. Windhorst, Barbara E. Franklin, and Lyman W. Neuschaefer; **106** (701), 798-806.

The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.

Correcting the Distortion of Images Taken with the Ultraviolet Imaging Telescope. — Michael R. Greason, Joel D. Offenberger, Robert H. Cornett, Robert S. Hill, and Theodore P. Stecher; **106** (705), 1151-6.

Methods of Observation and Reduction, Data Processing

Procedures for Radial Velocities of Close Binaries from Spectra Obtained with the Lick Echelle-CCD Spectrometer. — Daniel M. Popper and Y.-C. Jeong; **106** (696), 189-99.

The Reduction of Fiber-Fed Echelle Spectrograph Data: Methods and an IDL-Based Solution Procedure. — Jeffrey C. Hall, Eliza E. Fulton, David P. Huemmoeder, Alan D. Welty, and James E. Neff; **106** (697), 315-26.

Direct Imaging of Faint Stellar Companions. — Gordon A. H. Walker, Andrew R. Walker, René Racine, J. Murray Fletcher, and Robert D. McClure; **106** (698), 356-62.

On-Chip Image-Processing Algorithm for Real-Time CCD-Based Star Trackers and Wavefront Sensors. — Marek Chmielowski; **106** (699), 523-31.

Detection and Classification of CCD Defects with an Artificial Neural Network. — R. D. Rogers and A. G. Riess; **106** (699), 532-41.

HST Imaging of the Large Magellanic Cloud: The Field-Star Population near 30 Doradus. — Rebecca A. W. Elson, Duncan A. Forbes, and Gerard F. Gilmore; **106** (700), 632-41.

Removing Cosmic-Ray Hits from Multiorbit *HST* Wide Field Camera Images. — Rogier A. Windhorst, Barbara E. Franklin, and Lyman W. Neuschaefer; **106** (701), 798-806.

Coexisting with GLONASS: Observing the 1612 MHz Hydroxyl Line. — W. L. Combrinck, M. E. West, and M. J. Gaylard; **106** (701), 807-12.

The Changing Spectrum of the LMC Planetary N66. — A. P. Cowley, D. Crampton, P. C. Schmidtke, T. K. McGrath, and J. B. Hutchings; **106** (702), 876-8.

Speckle Imaging with the MAMA Detector: Preliminary Results. — E. Horch, J. F. Heanue, J. S. Morgan, and J. G. Timothy; **106** (703), 992-1002.

Closure-Phase Imaging with Partial Adaptive Correction. — Christopher A. Haniff and Richard W. Wilson; **106** (703), 1003-14.

Echo Mapping of Active Galactic Nuclei Broad-Line Regions: Fundamental Algorithms. — Roberto Vio, Keith Horne, and Willem Wamsteker; **106** (704), 1091-103.

Sky Subtraction with Fiber Spectrographs. — C. Lissandrini, S. Cristiani, and F. La Franca; **106** (705), 1157-64.

Application of the TDI Method in Observations of Lunar Occultations. — Laszlo Sturmann; **106** (705), 1165-71.

Calibration of the *UBVRI* High-Speed Photometer of Laboratório Nacional de Astrofísica, Brazil. — F. Jablonski, R. Baptista, J. Barroso, Jr., C. D. Gneiding, F. Rodrigues, and R. P. Campos; **106** (705), 1172-83.

Computers in Astronomy

Network Resources for Astronomers. — Heinz Andernach, Robert J. Hanisch, and Fionn Murtagh; **106** (705), 1190-216.

Positional Astronomy, Celestial Mechanics

Astrometry

One Milliarcsecond Precision Studies in the Regions of Delta Equulei and Chi¹ Orionis. — George Gatewood; **106** (696), 138-44.

Astrometry with *Hubble Space Telescope* Fine Guidance Sensor Number 3: Position-Mode Stability and Precision. — G. F. Benedict, B. McArthur, E. Nelan, D. Story, A. L. Whipple, W. H. Jefferys, Q. Wang, P. J. Shelus, P. D. Hemenway, J. McCartney, Wm. F. van Altena, R. Duncombe, O. G. Franz, and L. W. Fredrick; **106** (697), 327-36.

Theoretical Astrophysics

Stellar Atmospheres, Stellar Envelopes, Mass Loss, Accretion

Binary-Star Light-Curve Models. — R. E. Wilson; **106** (703), 921-41.

Stellar Structure and Evolution

Effects of Microscopic Diffusion and Rotational Mixing on Stellar Models. — Brian Chaboyer; **106** (696), 200.

Early Stellar Evolution. — Steven W. Stahler; **106** (698), 337-43.

Relativistic Astrophysics, Gravitation Theory

Microensing Events of the LMC are Better Explained by Stars within the LMC than by MACHOs. — Kailash C. Sahu; **106** (703), 942-8.

Sun

Photosphere, Spectrum

Analyses of Archival Data for Cool Dwarfs. I. The Solar $B - V$ Problem Reconsidered. — Benjamin J. Taylor; **106** (699), 444-51.

Earth

Structure, Figure, Gravity, Orbit, etc.

Invited Review Paper Astronomical Catastrophes in Earth History. — Sidney van den Bergh; **106** (701), 689-95.

Atmosphere (Refraction, Scintillation, Extinction, Airglow, Site Testing)

2.4 μm Sky Brightness at Balloon Altitude. — T. Matsumoto, S. Matsuura, and M. Noda; **106** (705), 1217-21.

Planetary System

Lunar and Planetary Occultations

Application of the TDI Method in Observations of Lunar Occultations. — Laszlo Sturmann; **106** (705), 1165-71.

Minor Planets

Comets Disguised as Asteroids. — Jane Luu; **106** (699), 425-35.

Comets (Origin, Structure, Atmospheres, Dynamics)

Comets Disguised as Asteroids. — Jane Luu; **106** (699), 425-35.

Invited Review Paper Astronomical Catastrophes in Earth History. — Sidney van den Bergh; **106** (701), 689-95.

Meteorites, Meteorite Craters

Invited Review Paper Astronomical Catastrophes in Earth History. — Sidney van den Bergh; **106** (701), 689-95.

Stars

Parallaxes, Proper Motions, Radial Velocities, Space Motions, Distances

One Milliarcsecond Precision Studies in the Regions of Delta Equulei and Chi¹ Orionis. — George Gatewood; **106** (696), 138-44.

Procedures for Radial Velocities of Close Binaries from Spectra Obtained with the Lick Echelle-CCD Spectrometer. — Daniel M. Popper and Y.-C. Jeong; **106** (696), 189-99.

The Mean Radial Velocity of the Open Cluster NGC 6939. — Alejandra A. E. Milone; **106** (704), 1085-90.

Positions and Proper Motions of Dwarf Carbon Stars. — Eric W. Deutsch; **106** (705), 1134-7.

Stellar Environments (Chromospheres, Coronae, Stellar Winds, Shells, Masers, etc.)

Planetary Nebulae: A Modern View. — Sun Kwok; **106** (698), 344-55.

On the Expansion Velocities of Planetary Nebulae and the Circumstellar Envelopes of AGB Stars. — G. T. Gussie and A. R. Taylor; **106** (699), 500-7.

A New Ejecta Shell Surrounding a Wolf-Rayet Star in the LMC. — Donald R. Garnett and You-Hua Chu; **106** (700), 626-31.

Temporal Variations in the Circumstellar Shell IRC + 10216. — Pedro Antonio Valdés Sada; **106** (701), 815.

A Search for Chromospherically Active Stars from the *ROSAT* EUV Source List. — Christopher L. Mulliss and Bernard W. Bopp; **106** (702), 822-7.

Invited Review Paper The Luminous Blue Variables: Astrophysical Geysers. — Roberta M. Humphreys and Kris Davidson; **106** (704), 1025-51.

Mg II Chromospheric-Emission Dating of HR 1614 Moving-Group Stars. — Beth Hufnagel and Graeme H. Smith; **106** (704), 1068-74.

Photometric Properties

A Finding List of Faint UV-Bright Stars in the Galactic Plane. II. — Howard H. Lanning and Michael Meakes; **106** (695), 38-46.

uvby and β Photometry for Stars in the Open Cluster NGC 1502. — David L. Crawford; **106** (698), 397-403.

A Revised Effective-Temperature Calibration for the DDO Photometric System. — Juan J. Clariá, Andrés E. Piatti, and Emilio Lapasset; **106** (699), 436-43.

Analyses of Archival Data for Cool Dwarfs. I. The Solar $B - V$ Problem Reconsidered. — Benjamin J. Taylor; **106** (699), 444-51.

Analyses of Archival Data for Cool Dwarfs. II. A Catalog of Temperatures. — Benjamin J. Taylor; **106** (699), 452-61.

A Photometric Study of XX Virginis and V716 Ophiuchi. — D. H. McNamara and M. D. Pyne; **106** (699), 472-80.

The MSSSO Near-Infrared Photometric System. — Peter J. McGregor; **106** (699), 508-14.

Southern Spectrophotometric Standards. II. — Mario Hamuy, N. B. Suntzeff, S. R. Heathcote, A. R. Walker, P. Gigoux, and M. M. Phillips; **106** (700), 566-89.

Spectroscopy and Photometry for Low-Mass Stars in Praesepe. — Scott D. Williams, John R. Stauffer, Charles F. Prosser, and Terry Herter; **106** (702), 817-21.

BVR Photometry of the ω Centauri *Hubble Space Telescope* Calibration Field. — Alistair R. Walker; **106** (702), 828-34.

Multicolor Polarimetry of Selected Be Stars: 1990-93. — David McDavid; **106** (703), 949-63.

Secondary Photometric Standard Stars for the Thuan-Gunn and Johnson-Kron-Cousins Systems. — Inger Jørgensen; **106** (703), 967-73.

Calibration of the *UBVR* High-Speed Photometer of Laboratório Nacional de Astrofísica, Brazil. — F. Jablonski, R. Baptista, J. Barroso, Jr., C. D. Gneiding, F. Rodrigues, and R. P. Campos; **106** (705), 1172-83.

Spectra, Temperatures, Chemical Composition, etc.

On Planetary Nebula Nuclei of the Spectral Type "Continuous". — Walter A. Feibelman; **106** (695), 56-8.

Surface Distribution of Iron and Chromium on 84 Ursae Majoris. — John Rice and William Wehlau; **106** (696), 134-7.

A Study of the UV-Bright Stars in Omega Centauri and the Type II Cepheid ST Puppis. — Guillermo Gonzalez; **106** (696), 201.

The Carbon Underabundance of the Secondary of V356 Sagittarii. — Jocelyn Tomkin and David L. Lambert; **106** (698), 365-9.

An Atlas of Southern MK Standards From 5800 to 10,200 Å. — Anthony C. Danks and Michel Dennefeld; **106** (698), 382-96.

Stellar Oxygen Abundances. — Jeremy R. King; **106** (698), 423.

A Revised Effective-Temperature Calibration for the DDO Photometric System. — Juan J. Clariá, Andrés E. Piatti, and Emilio Lapasset; **106** (699), 436-43.

Analyses of Archival Data for Cool Dwarfs. I. The Solar $B - V$ Problem Reconsidered. — Benjamin J. Taylor; **106** (699), 444-51.

Analyses of Archival Data for Cool Dwarfs. II. A Catalog of Temperatures. — Benjamin J. Taylor; **106** (699), 452-61.

Invited Review Paper Abundance Differences Among Globular-Cluster Giants: Primordial Versus Evolutionary Scenarios. — Robert P. Kraft; **106** (700), 553-65.

Analyses of Archival Data for Cool Dwarfs. III. The Choice and Application of Analysis Procedures. — Benjamin J. Taylor; **106** (700), 590-9.

Analyses of Archival Data for Cool Dwarfs. IV. [Fe/H] and Related Properties for the Hyades and Coma. — Benjamin J. Taylor; **106** (700), 600-10.

Analyses of Archival Data for Cool Dwarfs. V. An Annotated Catalog of Averaged Values of [Fe/H]. — Benjamin J. Taylor; **106** (701), 704-17.

Spectroscopy of an Extremely Blue Star in the Globular Cluster NGC 2298. — Erich Wenderoth, Franklin Alvarado, William Liller, and Mark M. Phillips; **106** (701), 718-21.

Abundances in Three Heavy-Element Stars in Omega Centauri. — Andrew D. Vanture, George Wallerstein, and Jeffery A. Brown; **106** (702), 835-42.

Invited Review Paper The Luminous Blue Variables: Astrophysical Geysers. — Roberta M. Humphreys and Kris Davidson; **106** (704), 1025-51.

Positions and Proper Motions of Dwarf Carbon Stars. — Eric W. Deutsch; **106** (705), 1134-7.

Luminosities, Masses, Diameters, HR and other Diagrams

An Atlas of Southern MK Standards From 5800 to 10,200 Å. — Anthony C. Danks and Michel Dennefeld; **106** (698), 382-96.

Rotation, Magnetic Fields, Activity Polarization, Radio Radiation

Stellar Magnetic-Cycle Phasing. — David F. Gray; **106** (696), 145-8.

On the Polarimetric Variability of Y Cygni. — G. K. Fox; **106** (698), 370-5.

Spectroscopy and Photometry for Low-Mass Stars in Praesepe. — Scott D. Williams, John R. Stauffer, Charles F. Prosser, and Terry Herter; **106** (702), 817-21.

Multicolor Polarimetry of Selected Be Stars: 1990-93. — David McDavid; **106** (703), 949-63.

Close Binaries (Observations, Theory)

The Expected Morphology of the Solar System Planetary Nebula. — Noam Soker; **106** (695), 59-62.

New Light Curves and Analysis of the Short-Period Algol XZ Canis Minoris. — Dirk Terrell, J. B. Gunn, and Daniel H. Kaiser; **106** (696), 149-53.

Two Mathematical Expansions of the Roche Equipotentials. — Steven L. Morris; **106** (696), 154-5.

The DQ Herculis Stars. — Joseph Patterson; **106** (697), 209-38.

$M_V = M_V(\log P, \log T_e)$ Calibrations for W Ursae Majoris Systems. — S. M. Rucinski; **106** (699), 462-71.

Spectroscopy and Photometry of the Dwarf Nova BZ Ursae Majoris and the CV Linewidth/ K , Mass-Ratio Relation. — J. S. Jurcevic, R. K. Honeycutt, E. M. Schlegel, and R. F. Webbink; **106** (699), 481-5.

Ginga and *ROSAT* Observations of the Cataclysmic Variable S193. — Paula Szkody, Peter Garnavich, Michael Castelaz, and F. Makino; **106** (700), 616-8.

HL Canis Majoris in Preoutburst and SS Cygni—The Interoutburst Disk Instability. — C. S. Mansperger, R. H. Kaitchuck, P. M. Garnavich, N. Dinshaw, and E. Zamkoff; **106** (702), 858-68.

Optical and Ultraviolet Spectroscopy of VW Hydri. — A. Talat Saygac; **106** (702), 918.

Binary-Star Light-Curve Models. — R. E. Wilson; **106** (703), 921-41.

Long-Term Periods in Cataclysmic Variables. — Hayley R. Richman, James H. Applegate, and Joseph Patterson; **106** (704), 1075-84.

Superhumps in Cataclysmic Binaries. III. V795 Herculis. — Joseph Patterson and David R. Skillman; **106** (705), 1141-50.

Visual Binaries, Multiple Stars, Astrometric Binaries

Direct Imaging of Faint Stellar Companions. — Gordon A. H. Walker, Andrew R. Walker, René Racine, J. Murray Fletcher, and Robert D. McClure; **106** (698), 356-62.

An Astrometric Study of Four Binary Stars. — Wulf D. Heintz and Bruce A. Cantor; **106** (698), 363-4.

The Effect of Double Stars on the Guidance System of the *Hubble Space Telescope*. — John L. Hershey and Pierre Y. Béty; **106** (699), 542-7.

Eclipsing Binaries

Quantitative Spectral Types for 19 Algol Secondaries. — Tae S. Yoon, R. Kent Honeycutt, Ronald H. Kaitchuck, and Eric M. Schlegel; **106** (697), 239-43.

Spectroscopic Observations of the 1982 Eclipse of 31 Cygni. — Wendy Hagen Bauer; **106** (697), 244-9.

The Carbon Underabundance of the Secondary of V356 Sagittarii. — Jocelyn Tomkin and David L. Lambert; **106** (698), 365-9.

Binary-Star Light-Curve Models. — R. E. Wilson; **106** (703), 921-41.

Spectroscopic Binaries

Spectroscopic Observations of the 1982 Eclipse of 31 Cygni. — Wendy Hagen Bauer; **106** (697), 244-9.

Early-stage Stars (T Tauri Stars, Herbig-Haro Objects, etc.)

Early Evolution of Low-Mass Stars and Objects Close to the Substellar Mass Limit. — Eduardo Lorenzo Martín Guerrero de Escalante; **106** (696), 204.

Early Stellar Evolution. — Steven W. Stahler; **106** (698), 337-43.

Intrinsic Variables (Pulsating Variables, Spectrum Variables, etc.)

Short-Term Photometric Variability of Psi Persei and Zeta Tauri. — John R. Percy, Inese I. Ivans, Robert E. Fried, and Margit Paparo; **106** (696), 131-3.

Surface Distribution of Iron and Chromium on 84 Ursae Majoris. — John Rice and William Wehlau; **106** (696), 134-7.

Spectroscopy of Long-Period Variables in M33. — Alessandra Giovagnoli and Jeremy Mould; **106** (698), 376-81.

A Photometric Study of XX Virginis and V716 Ophiuchi. — D. H. McNamara and M. D. Pyne; **106** (699), 472-80.

Photometric Surveys of Suspected Small-Amplitude Red Variables. III. An AAVSO Photometric Photometry Survey. — John R. Percy, Nancy Wong, Dietmar Böhme, David R. Currott, Frank Dempsey, George L. Fortier, Matt Ganis, Stephanie Parello, Howard J. Landis, Kenneth D. Luedek, Donald Pray, Michael S. Smith, Leroy F. Snyder, Raymond R. Thompson, Rick Wasson, Harold O. Williams, William S. G. Walker, and James E. Wood; **106** (700), 611-5.

On the Period Variation of the Delta Scuti Star VZ Cancri. — A. Arellano Ferro, N. S. Nuñez, and J. J. Avila; **106** (701), 696-703.

Declining Photometric Amplitude of the Cepheid Variable Polaris. — Christopher F. Brown and D. Richard Bochonko; **106** (703), 964-6.

Invited Review Paper The Luminous Blue Variables: Astrophysical Geysers. — Roberta M. Humphreys and Kris Davidson; **106** (704), 1025-51.

Studies of Large-Amplitude Delta Scuti Variables. II. DY Herculis. — E. F. Milone, W. J. F. Wilson, D. J. I. Fry, and S. J. Schiller; **106** (705), 1120-33.

R Coronae Borealis in 1992 and 1993. — J. D. Fernie and S. Seager; **106** (705), 1138-40.

Variable Stars (Surveys, Lists of Observations, Charts, etc.)

Photometric Surveys of Suspected Small-Amplitude Red Variables. III. An AAVSO Photometric Photometry Survey. — John R. Percy, Nancy Wong, Dietmar Böhme, David R. Currott, Frank Dempsey, George L. Fortier, Matt Ganis, Stephanie Parello, Howard J. Landis, Kenneth D. Luedek, Donald Pray, Michael S. Smith, Leroy F. Snyder, Raymond R. Thompson, Rick Wasson, Harold O. Williams, William S. G. Walker, and James E. Wood; **106** (700), 611-5.

Novae

Long-Term Periods in Cataclysmic Variables. — Hayley R. Richman, James H. Applegate, and Joseph Patterson; **106** (704), 1075-84.

Supernovae, Supernova Remnants

Magnitudes and Colors of SN 1993J Comparison Stars. — Gérard de Vaucouleurs, Harold G. Corwin, Jr., and Brian A. Skiff; **106** (696), 156-60.

Type Ia Supernovae in Lyon Groups of Galaxies. — Herbert J. Rood; **106** (696), 170-2.

Supernova Remnants and the Physics of Strong Shock Waves. — Donald C. Ellison, Stephen P. Reynolds, Kazimierz Borkowski, Roger Chevalier, Donald P. Cox, John R. Dickel, Ryszard Pisarski, John Raymond, Stephen R. Spangler, Heinrich J. Völk, and John P. Wefel; **106** (701), 780-97.

White Dwarfs, Pulsars, Degenerate Stars

A Finding List of Faint UV-Bright Stars in the Galactic Plane. II. — Howard H. Lanning and Michael Meakes; **106** (695), 38-46.

Theoretical Asteroseismology of White Dwarf Stars: The Encyclopedia Seismologica. — Paul Andrew Bradley; **106** (695), 104.

- Follow-Up Observations of the Remarkable Double-Degenerate Binary LB 11146. — Jason Glenn, James Liebert, and Gary D. Schmidt; **106** (701), 722-5.

Interstellar Matter, Nebulae

Interstellar Matter (Molecular Clouds, Reflection Nebulae, etc.), Star Formation

- A Ring Nebula Surrounding Evolved Massive Stars in the Post-Starburst Galaxy NGC 1569. — Laurent Drissen and Jean-René Roy; **106** (703), 974-7.
- A Study of the Cometary Globules in the Gum Nebula. — T. K. Sridharan; **106** (703), 1018.
- Physical Conditions of Molecular Gas in the Galaxy. — Seiichi Sakamoto; **106** (704), 1112.

H II Regions, Emission Nebulae

- The Physical Diagnostics and Ionization Structure of the Orion Nebula. — Donald K. Walter; **106** (695), 106.
- The H II Regions of Holmberg II. — Paul Hodge, Nicolas V. Strobel, and Robert C. Kennicutt; **106** (697), 309-14.
- Star Formation in Giant Extragalactic H II Regions. — Y. Divakara Mayya; **106** (698), 424.
- The H II Regions of Sextans A. — Paul Hodge, Robert C. Kennicutt, and Nicolas Strobel; **106** (701), 765-9.

Infrared Sources

- The MSSO Near-Infrared Photometric System. — Peter J. McGregor; **106** (699), 508-14.
- High-Resolution Optical Imaging of the "Frosty Leo" Nebula. — Philip P. Langill, Sun Kwok, and Bruce J. Hrivnak; **106** (701), 736-44.
- A Rocket-Borne Observation of the Near-Infrared Sky Brightness. — S. Matsuura, M. Kawada, H. Matsuhara, T. Matsumoto, M. Noda, M. Tanaka, and J. J. Bock; **106** (701), 770-9.
- The Montréal Near-Infrared Camera. — Daniel Nadeau, David C. Murphy, René Doyon, and Neil Rowlands; **106** (702), 909-14.

Planetary Nebulae

- On Planetary Nebula Nuclei of the Spectral Type "Continuous". — Walter A. Feibelman; **106** (695), 56-8.
- The Expected Morphology of the Solar System Planetary Nebula. — Noam Soker; **106** (695), 59-62.
- High-Velocity Flow in the Central Part of the Highly Evolved Planetary Nebula Abell 30. — Yasushi Yadoumaru and Shin'ichi Tamura; **106** (696), 165-9.
- Planetary Nebulae: A Modern View. — Sun Kwok; **106** (698), 344-55.
- On the Expansion Velocities of Planetary Nebulae and the Circumstellar Envelopes of AGB Stars. — G. T. Gussie and A. R. Taylor; **106** (699), 500-7.
- Spectroscopic Observations of the Planetary Nebula Me 2-1. — H. Moreno, A. Gutiérrez-Moreno, G. Cortés, and M. Hamuy; **106** (700), 619-25.
- High-Resolution Optical Imaging of the "Frosty Leo" Nebula. — Philip P. Langill, Sun Kwok, and Bruce J. Hrivnak; **106** (701), 736-44.
- The Spectrum of the Planetary Nebula IC 418. — Siek Hyung, Lawrence H. Aller, and Walter A. Feibelman; **106** (701), 745-55.
- X-Ray Planetary Nebulae. — Walter A. Feibelman; **106** (701), 756-64.
- Three Type I Planetary Nebulae. — A. Gutiérrez-Moreno, H. Moreno, and G. Cortés; **106** (702), 869-75.

Radio Sources, X-ray Sources, Cosmic Radiation

UV Sources, X-ray Sources, X-ray Background

- Radio-Emitting X-Ray Binaries. — Josep Martí-Ribas; **106** (696), 203.
- Ginga and ROSAT Observations of the Cataclysmic Variable S193. — Paula Szkody, Peter Garnavich, Michael Castelaz, and F. Makino; **106** (700), 616-8.
- X-Ray Planetary Nebulae. — Walter A. Feibelman; **106** (701), 756-64.
- A Search for Chromospherically Active Stars from the ROSAT EUV Source List. — Christopher L. Mulliss and Bernard W. Bopp; **106** (702), 822-7.

- LMC Stellar X-ray Sources Observed With ROSAT. I. X-ray Data and Search For Optical Counterparts. — P. C. Schmidtke, A. P. Cowley, L. M. Frattare, T. K. McGrath, J. B. Hutchings, and D. Crampton; **106** (702), 843-57.

- The UV Polarization of X-ray Binary Systems Observed with the Hubble Space Telescope. — Karen G. Wolinski; **106** (703), 1019.

- Soft X-ray Analysis and Multiwavelength Modeling of X-ray-Selected Active Galactic Nuclei. — Richard J. Thompson, Jr.; **106** (705), 1222.

Cosmic Rays

- Supernova Remnants and the Physics of Strong Shock Waves. — Donald C. Ellison, Stephen P. Reynolds, Kazimierz Borkowski, Roger Chevalier, Donald P. Cox, John R. Dickel, Ryszard Pisarski, John Raymond, Stephen R. Spangler, Heinrich J. Völk, and John P. Wefel; **106** (701), 780-97.

Stellar Systems, Galaxy, Extragalactic Objects, Cosmology

Stellar Associations

- OB Associations: Massive Stars in Context. — Catharine D. Garmany; **106** (695), 25-37.

Open Clusters

- A Photometric and Radial-Velocity Analysis of the Intermediate-Age Open Cluster NGC 752. — Scott A. Daniel, David W. Latham, Robert D. Mathieu, and Bruce A. Twarog; **106** (697), 281-308.
- uvby* and β Photometry for Stars in the Open Cluster NGC 1502. — David L. Crawford; **106** (698), 397-403.
- uvbyH β* CCD Photometry of Melotte 66: A Disk Analog of Omega Centauri? — Barbara J. Anthony-Twarog, Bruce A. Twarog, and Marian Sheeran; **106** (699), 486-99.
- Analyses of Archival Data for Cool Dwarfs. IV. [Fe/H] and Related Properties for the Hyades and Coma. — Benjamin J. Taylor; **106** (700), 600-10.
- Spectroscopy and Photometry for Low-Mass Stars in Praesepe. — Scott D. Williams, John R. Stauffer, Charles F. Prosser, and Terry Herter; **106** (702), 817-21.
- Mg II Chromospheric-Emission Dating of HR 1614 Moving-Group Stars. — Beth Hufnagel and Graeme H. Smith; **106** (704), 1068-74.
- The Mean Radial Velocity of the Open Cluster NGC 6939. — Alejandra A. E. Milone; **106** (704), 1085-90.

Globular Clusters

- An Analytical Study of the Globular-Cluster Luminosity Function. — Dean E. McLaughlin; **106** (695), 47-55.
- Radial Velocities and Line Cores of Halo Giants: M13 (NGC 6205). — Matthew D. Shetrone; **106** (696), 161-4.
- A Study of the UV-Bright Stars in Omega Centauri and the Type II Cepheid ST Puppis. — Guillermo Gonzalez; **106** (696), 201.
- Globular-Cluster Photometry Near the Turnoff: Blue Stragglers, Relative Ages, and the Horizontal Branch. — Ata Sarajedini; **106** (696), 205.
- The Center of the Core-Cusp Globular Cluster M15: CFHT and HST Observations, ALLFRAME Reductions. — Peter B. Stetson; **106** (697), 250-80.
- CCD Photometry of the Galactic Globular Cluster NGC 6535 in the B and V Passbands. — Ata Sarajedini; **106** (698), 404-12.
- Invited Review Paper* Abundance Differences Among Globular-Cluster Giants: Primordial Versus Evolutionary Scenarios. — Robert P. Kraft; **106** (700), 553-65.
- Spectroscopy of an Extremely Blue Star in the Globular Cluster NGC 2298. — Erich Wenderoth, Franklin Alvarado, William Liller, and Mark M. Phillips; **106** (701), 718-21.
- A Color-Magnitude Diagram for NGC 6287: The Oldest Globular Cluster in the Galaxy? — Peter B. Stetson and Michael J. West; **106** (701), 726-35.
- BVRI Photometry of the ω Centauri Hubble Space Telescope Calibration Field. — Alistair R. Walker; **106** (702), 828-34.
- Abundances in Three Heavy-Element Stars in Omega Centauri. — Andrew D. Vanture, George Wallerstein, and Jeffery A. Brown; **106** (702), 835-42.

Galaxy

- Kinematics and Stellar Populations of the Galactic Bulge. — Dante Minniti; **106** (701), 813.

Magellanic Clouds

A New Ejecta Shell Surrounding a Wolf-Rayet Star in the LMC. — Donald R. Garnett and You-Hua Chu; **106** (700), 626-31.

HST Imaging of the Large Magellanic Cloud: The Field-Star Population near 30 Doradus. — Rebecca A. W. Elson, Duncan A. Forbes, and Gerard F. Gilmore; **106** (700), 632-41.

LMC Stellar X-ray Sources Observed With *ROSAT*. I. X-ray Data and Search For Optical Counterparts. — P. C. Schmidtke, A. P. Cowley, L. M. Frattare, T. K. McGrath, J. B. Hutchings, and D. Crampton; **106** (702), 843-57.

Microlensing Events of the LMC are Better Explained by Stars within the LMC than by MACHOs. — Kailash C. Sahu; **106** (703), 942-8.

Normal Galaxies (Structure, Evolution, Pairs, etc.)

An Analytical Study of the Globular-Cluster Luminosity Function. — Dean E. McLaughlin; **106** (695), 47-55.

Revised Sizes and Positions for the Maffei Dwarf Galaxy Catalog. — B. F. Madore, H. Sun, J. Bennett, H. G. Corwin, Jr., G. Helou, C. Lague, M. Schmitz, and X. Wu; **106** (695), 63-6.

Self-Consistent Models of Barred Spiral Galaxies. — David E. Kauffmann; **106** (696), 202.

The H II Regions of Holmberg II. — Paul Hodge, Nicolas V. Strobel, and Robert C. Kennicutt; **106** (697), 309-14.

Spectroscopy of Long-Period Variables in M33. — Alessandra Giovagnoli and Jeremy Mould; **106** (698), 376-81.

A Multi-Wavelength Exploration of the Nearby Starburst Galaxy Maffei 2. — Robert L. Hurt; **106** (699), 549.

The H II Regions of Sextans A. — Paul Hodge, Robert C. Kennicutt, and Nicolas Strobel; **106** (701), 765-9.

Radio Spectra and Star-Formation Histories in H II Galaxies. — Hans-Jörg Deeg; **106** (702), 916.

A Ring Nebula Surrounding Evolved Massive Stars in the Post-Starburst Galaxy NGC 1569. — Laurent Drissen and Jean-René Roy; **106** (703), 974-7.

Invited Review Paper The Search for Primeval Galaxies. — C. J. Pritchet; **106** (704), 1052-67.

The Hubble Parameter Revisited. — Sidney van den Bergh; **106** (705), 1113-9.

Active Galaxies (Seyfert Galaxies, BL Lacertae Objects, Radio Galaxies)

Spectropolarimetry of Seyfert 2 Galaxies with Obscured Broad-Line Regions. — Hien D. Tran; **106** (695), 105.

The Changing Spectrum of the LMC Planetary N66. — A. P. Cowley, D. Crampton, P. C. Schmidtke, T. K. McGrath, and J. B. Hutchings; **106** (702), 876-8.

Spectral Emission of a Sample of *IRAS* Galaxies. — E. L. Agüero, J. H. Calderón, S. Paolantonio, and E. Suárez Boedo; **106** (703), 978-82.

Echo Mapping of Active Galactic Nuclei Broad-Line Regions: Fundamental Algorithms. — Roberto Vio, Keith Horne, and Willem Wamsteker; **106** (704), 1091-103.

Narrow-Line Region Kinematics in Seyfert Nuclei. — David Moore; **106** (704), 1111.

Soft X-ray Analysis and Multiwavelength Modeling of X-ray-Selected Active Galactic Nuclei. — Richard J. Thompson, Jr.; **106** (705), 1222.

Quasi-stellar Objects

Synthetic QSO Host Galaxies. — Deborah Maraziti and Alan Stockton; **106** (695), 71-6.

Quasar Surveys. — Paul C. Hewett and Craig B. Foltz; **106** (696), 113-30.

Time Variability of Broad-Absorption-Line QSOs. — Thomas A. Barlow; **106** (699), 548.

Correlated Optical and Radio Structure in the QSO 1302 - 102. — J. B. Hutchings, S. C. Morris, Ann C. Gower, and M. L. Lister; **106** (700), 642-5.

The *HST* Quasar Absorption-Line Key Project. VIII. CCD Imaging of *Hubble Space Telescope* Quasar Fields. — Sofia Kirhakos, W. L. W. Sargent, Donald P. Schneider, John N. Bahcall, Buell T. Jannuzi, Dan Maoz, and Todd A. Small; **106** (700), 646-69.

Groups of Galaxies, Clusters of Galaxies, Superclusters, Intergalactic Matter

Do Voids Cluster? — S. Haque-Copilah and D. Basu; **106** (695), 67-70.

Spatial Coincidence between a Number of Hickson Compact Groups and Loose Groups or Clusters. — Herbert J. Rood and Mitchell F. Struble; **106** (698), 413-6.

An Observational Study of Galaxies and their Environment on Large Scales. — Douglas Lee Tucker; **106** (701), 814.

Universe, Cosmology, Background Radiation

A Rocket-Borne Observation of the Near-Infrared Sky Brightness. — S. Matsuura, M. Kawada, H. Matsuhara, T. Matsumoto, M. Noda, M. Tanaka, and J. J. Bock; **106** (701), 770-9.

Invited Review Paper The Search for Primeval Galaxies. — C. J. Pritchet; **106** (704), 1052-67.

The Hubble Parameter Revisited. — Sidney van den Bergh; **106** (705), 1113-9.

AUTHOR INDEX TO VOLUME 106

A

- Abt, Helmut A.** — Erratum: "Institutional Productivities (1993, PASP, 105, 794)". — Helmut A. Abt; **106** (695), 107 (E).
 — The Current Burst in Astronomical Publications. — Helmut A. Abt; **106** (703), 1015-7.
- Achtermann, J. M.** — Using DSPs to Build Modular Data-Acquisition and Instrument Control Systems: Shifting Functionality from Hardware to Software. — J. M. Achtermann; **106** (696), 173-81.
- Adams, B. R.** — Devices for Observatory Automation. — R. K. Honeycutt, B. R. Adams, D. J. Swearingen, and W. R. Kopp; **106** (700), 670-4.
- Adelman, Saul J.** — Elemental Abundances of the B and A Stars. II. Gamma Geminorum, HD 60825, 7 Sextantis, HR 4817, and HR 5780. — Saul J. Adelman and A. G. Davis Philip; **106** (706), 1239-47.
- Agüero, E. L.** — Spectral Emission of a Sample of *IRAS* Galaxies. — E. L. Agüero, J. H. Calderón, S. Paolantonio, and E. Suárez Boedo; **106** (703), 978-82.
- Ake, T. B.** — The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.
- Aller, Lawrence H.** — The Spectrum of the Planetary Nebula IC 418. — Siek Hyung, Lawrence H. Aller, and Walter A. Feibelman; **106** (701), 745-55.
- Allington-Smith, Jeremy** — A Low-Dispersion Survey Spectrograph (LDSS-2) for the William Herschel Telescope. — Jeremy Allington-Smith, Mike Breare, Richard Ellis, Dave Gellatly, Karl Glazebrook, Paul Jorden, John MacLean, Paddy Oates, Graham Shaw, Nial Tanvir, Keith Taylor, Philip Taylor, John Webster, and Sue Worswick; **106** (703), 983-91.
- Alvarado, Franklin** — Spectroscopy of an Extremely Blue Star in the Globular Cluster NGC 2298. — Erich Wenderoth, Franklin Alvarado, William Liller, and Mark M. Phillips; **106** (701), 718-21.
- Andernach, Heinz** — Network Resources for Astronomers. — Heinz Andernach, Robert J. Hanisch, and Fionn Murtagh; **106** (705), 1190-216.
- Angel, Roger** — A Reflective Shack-Hartmann Wave-Front Sensor for Adaptive Optics. — D'ardo Colucci, Michael Lloyd-Hart, David Wittman, Roger Angel, Andrea Ghez, and Brian McLeod; **106** (704), 1104-10.
- Anthony-Twarog, Barbara J.** — *vbyH β* CCD Photometry of Melotte 66: A Disk Analog of Omega Centauri? — Barbara J. Anthony-Twarog, Bruce A. Twarog, and Marian Sheeran; **106** (699), 486-99.
- Applegate, James H.** — Long-Term Periods in Cataclysmic Variables. — Hayley R. Richman, James H. Applegate, and Joseph Patterson; **106** (704), 1075-84.
- Arellano Ferro, A.** — On the Period Variation of the Delta Scuti Star VZ Cancri. — A. Arellano Ferro, N. S. Nuñez, and J. J. Avila; **106** (701), 696-703.
- Avila, J. J.** — On the Period Variation of the Delta Scuti Star VZ Cancri. — A. Arellano Ferro, N. S. Nuñez, and J. J. Avila; **106** (701), 696-703.
- B**
- Bahcall, John N.** — The *HST* Quasar Absorption-Line Key Project. VIII. CCD Imaging of *Hubble Space Telescope* Quasar Fields. — Sofia Kirhakos, W. L. W. Sargent, Donald P. Schneider, John N. Bahcall, Buell T. Jannuzi, Dan Maoz, and Todd A. Small; **106** (700), 646-69.
 — Erratum: The *HST* Quasar Absorption Line Key Project. VIII. CCD Imaging of *Hubble Space Telescope* Quasar Fields (1994, PASP, 106, 646). — Sofia Kirhakos, W. L. W. Sargent, Donald P. Schneider, John N. Bahcall, Buell T. Jannuzi, Dan Maoz, and Todd A. Small; **106** (703), 1020-1 (E).
- Baptista, R.** — Calibration of the *UBVRI* High-Speed Photometer of Laboratório Nacional de Astrofísica, Brazil. — F. Jablonski, R. Baptista, J. Barroso, Jr., C. D. Gneiding, F. Rodrigues, and R. P. Campos; **106** (705), 1172-83.
- Barbieri, Cesare** — Cycle-Number Determination via the Hough Transform: The Technique and an Application to GW Cephei. — Roberto Ragazzoni and Cesare Barbieri; **106** (700), 683-7.
- Barlow, Thomas A.** — Time Variability of Broad-Absorption-Line QSOs. — Thomas A. Barlow; **106** (699), 548 (A).
- Barroso, J., Jr.** — Calibration of the *UBVRI* High-Speed Photometer of Laboratório Nacional de Astrofísica, Brazil. — F. Jablonski, R. Baptista, J. Barroso, Jr., C. D. Gneiding, F. Rodrigues, and R. P. Campos; **106** (705), 1172-83.
- Bartunov, O. S.** — Distribution of Supernovae Relative to Spiral Arms and H II Regions. — O. S. Bartunov, D. Yu. Tsvetkov, and I. V. Filimonova; **106** (706), 1276-84.
- Basu, D.** — Do Voids Cluster? — S. Haque-Copilah and D. Basu; **106** (695), 67-70.
- Bauer, Wendy Hagen** — Spectroscopic Observations of the 1982 Eclipse of 31 Cygni. — Wendy Hagen Bauer; **106** (697), 244-9.
- Beaver, E. A.** — The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.
- Beck-Winchatz, B.** — The Gas-Phase Iron Abundance in Herbig-Haro Objects. — B. Beck-Winchatz, K. H. Böhm, and A. Noriega-Crespo; **106** (706), 1271-5.
- Béty, Pierre Y.** — The Effect of Double Stars on the Guidance System of the *Hubble Space Telescope*. — John L. Hershey and Pierre Y. Béty; **106** (699), 542-7.
- Benedict, G. F.** — Astrometry with *Hubble Space Telescope* Fine Guidance Sensor Number 3: Position-Mode Stability and Precision. — G. F. Benedict, B. McArthur, E. Nelan, D. Story, A. L. Whipple, W. H. Jefferys, Q. Wang, P. J. Shelus, P. D. Hemenway, J. McCartney, Wm. F. van Altena, R. Duncombe, O. G. Franz, and L. W. Fredrick; **106** (697), 327-36.
- Bennett, J.** — Revised Sizes and Positions for the Mailyan Dwarf Galaxy Catalog. — B. F. Madore, H. Sun, J. Bennett, H. G. Corwin, Jr., G. Helou, C. Lague, M. Schmitz, and X. Wu; **106** (695), 63-6.
- Bergh, Sidney van den** — *Invited Review Paper* Astronomical Catastrophes in Earth History. — Sidney van den Bergh; **106** (701), 689-95.
- Bershady, M. A.** — Deep *UBVRI* Photometric Calibration of High-Latitude Fields: SA 57 (1307 + 30) and Hercules (1720 + 50). — S. R. Majewski, R. G. Kron, D. C. Koo, and M. A. Bershady; **106** (706), 1258-70.
- Bochonko, D. Richard** — Declining Photometric Amplitude of the Cepheid Variable Polaris. — Christopher F. Brown and D. Richard Bochonko; **106** (703), 964-6.
- Bock, J. J.** — A Rocket-Borne Observation of the Near-Infrared Sky Brightness. — S. Matsuura, M. Kawada, H. Matsuhara, T. Matsumoto, M. Noda, M. Tanaka, and J. J. Bock; **106** (701), 770-9.
- Boggess, A.** — The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.
- Böhm, K. H.** — The Gas-Phase Iron Abundance in Herbig-Haro Objects. — B. Beck-Winchatz, K. H. Böhm, and A. Noriega-Crespo; **106** (706), 1271-5.
- Böhme, Dietmar** — Photometric Surveys of Suspected Small-Amplitude Red Variables. III. An AAVSO Photometric Photometry Survey. — John R. Percy, Nancy Wong, Dietmar Böhme, David R. Curott, Frank Dempsey, George L. Fortier, Matt Ganis, Stephanie Parello, Howard J. Landis, Kenneth D. Luedke, Donald Pray, Michael S. Smith, Leroy F. Snyder, Raymond R. Thompson, Rick Wasson, Harold O. Williams, William S. G. Walker, and James E. Wood; **106** (700), 611-5.

- Bopp, Bernard W.** — A Search for Chromospherically Active Stars from the *ROSAT* EUV Source List. — Christopher L. Mulliss and Bernard W. Bopp; **106** (702), 822-7.
- Borkowski, Kazimierz** — Supernova Remnants and the Physics of Strong Shock Waves. — Donald C. Ellison, Stephen P. Reynolds, Kazimierz Borkowski, Roger Chevalier, Donald P. Cox, John R. Dickel, Ryszard Pisarski, John Raymond, Stephen R. Spangler, Heinrich J. Völk, and John P. Wefel; **106** (701), 780-97 (K).
- Bradley, Paul Andrew** — Theoretical Asteroseismology of White Dwarf Stars: The Encyclopedia Seismologica. — Paul Andrew Bradley; **106** (695), 104 (A).
- Brandt, J. C.** — The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.
- Breare, Mike** — A Low-Dispersion Survey Spectrograph (LDSS-2) for the William Herschel Telescope. — Jeremy Allington-Smith, Mike Breare, Richard Ellis, Dave Gellatly, Karl Glazebrook, Paul Jorden, John MacLean, Paddy Oates, Graham Shaw, Nial Tanvir, Keith Taylor, Philip Taylor, John Webster, and Sue Worswick; **106** (703), 983-91.
- Brown, Christopher F.** — Declining Photometric Amplitude of the Cepheid Variable Polaris. — Christopher F. Brown and D. Richard Bochonko; **106** (703), 964-6.
- Brown, Jeffery A.** — Abundances in Three Heavy-Element Stars in Omega Centauri. — Andrew D. Vanture, George Wallerstein, and Jeffery A. Brown; **106** (702), 835-42.
- Brown, Timothy M.** — The AFOE: A Spectrograph for Precise Doppler Studies. — Timothy M. Brown, Robert W. Noyes, Peter Nisenson, Sylvain G. Korzennik, and Scott Horner; **106** (706), 1285-97.
- Bruhweiler, F.** — The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.
- Brummelaar, Theo Ten** — Taking the Twinkle Out of the Stars: An Adaptive Wavefront Tilt Correction Servo and Preliminary Seeing Study for SUSI. — Theo Ten Brummelaar; **106** (702), 915 (A).
- Bucciarelli, B.** — The Photometric Properties of the *HST* Astrometric Fine Guidance Sensor. — B. Bucciarelli, S. T. Holfeltz, M. G. Lattanzi, L. G. Taff, and P. C. Vener-Saavedra; **106** (698), 417-22.
- Busko, I. C.** — Photometric Properties of *HST* Restored Images. — I. C. Busko; **106** (706), 1310-21.
- C**
- Calderón, J. H.** — Spectral Emission of a Sample of *IRAS* Galaxies. — E. L. Agüero, J. H. Calderón, S. Paolantonio, and E. Suárez Boedo; **106** (703), 978-82.
- Campos, R. P.** — Calibration of the *UBVRI* High-Speed Photometer of Laboratório Nacional de Astrofísica, Brazil. — F. Jablonski, R. Baptista, J. Barroso, Jr., C. D. Gneiding, F. Rodrigues, and R. P. Campos; **106** (705), 1172-83.
- Cantor, Bruce A.** — An Astrometric Study of Four Binary Stars. — Wulff D. Heintz and Bruce A. Cantor; **106** (698), 363-4.
- Cardelli, J. A.** — The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.
- Carpenter, K. G.** — The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.
- Castelaz, Michael** — *Ginga* and *ROSAT* Observations of the Cataclysmic Variable S193. — Paula Szkody, Peter Garnavich, Michael Castelaz, and F. Makino; **106** (700), 616-8.
- Chaboyer, Brian** — Effects of Microscopic Diffusion and Rotational Mixing on Stellar Models. — Brian Chaboyer; **106** (696), 200 (A).
- Chevalier, Roger** — Supernova Remnants and the Physics of Strong Shock Waves. — Donald C. Ellison, Stephen P. Reynolds, Kazimierz Borkowski, Roger Chevalier, Donald P. Cox, John R. Dickel, Ryszard Pisarski, John Raymond, Stephen R. Spangler, Heinrich J. Völk, and John P. Wefel; **106** (701), 780-97 (K).
- Chmielewski, Marek** — On-Chip Image-Processing Algorithm for Real-Time CCD-Based Star Trackers and Wavefront Sensors. — Marek Chmielewski; **106** (699), 523-31.
- Chu, You-Hua** — A New Ejecta Shell Surrounding a Wolf-Rayet Star in the LMC. — Donald R. Garnett and You-Hua Chu; **106** (700), 626-31.
- Clariá, Juan J.** — A Revised Effective-Temperature Calibration for the DDO Photometric System. — Juan J. Clariá, Andrés E. Piatti, and Emilio Lapasset; **106** (699), 436-43.
- Clemens, J. C.** — The Origin and Evolution of the White-Dwarf Stars. — J. C. Clemens; **106** (706), 1322 (A).
- Close, L. M.** — High-Resolution Imaging with a Tip-Tilt Cassegrain Secondary. — L. M. Close and D. W. McCarthy, Jr.; **106** (695), 77-86.
- Colucci, D'nardo** — A Reflective Shack-Hartmann Wave-Front Sensor for Adaptive Optics. — D'nardo Colucci, Michael Lloyd-Hart, David Wittman, Roger Angel, Andrea Ghez, and Brian McLeod; **106** (704), 1104-10.
- Combrinck, W. L.** — Coexisting with GLONASS: Observing the 1612 MHz Hydroxyl Line. — W. L. Combrinck, M. E. West, and M. J. Gaylard; **106** (701), 807-12.
- Cornett, Robert H.** — Correcting the Distortion of Images Taken with the Ultraviolet Imaging Telescope. — Michael R. Greason, Joel D. Offenberger, Robert H. Cornett, Robert S. Hill, and Theodore P. Stecher; **106** (705), 1151-6.
- Cortés, G.** — Spectroscopic Observations of the Planetary Nebula Me 2-1. — H. Moreno, A. Gutiérrez-Moreno, G. Cortés, and M. Hamuy; **106** (700), 619-25.
- Three Type I Planetary Nebulae. — A. Gutiérrez-Moreno, H. Moreno, and G. Cortés; **106** (702), 869-75.
- Corwin, H. G., Jr.** — Revised Sizes and Positions for the Maylan Dwarf Galaxy Catalog. — B. F. Madore, H. Sun, J. Bennett, H. G. Corwin, Jr., G. Helou, C. Lague, M. Schmitz, and X. Wu; **106** (695), 63-6.
- Corwin, Harold G., Jr.** — Magnitudes and Colors of SN 1993J Comparison Stars. — Gérard de Vaucouleurs, Harold G. Corwin, Jr., and Brian A. Skiff; **106** (696), 156-60.
- Erratum: Magnitudes and Colors of SN 1993J Comparison Stars (1994, *PASP*, 106, 156). — G. de Vaucouleurs, Harold G. Corwin, Jr., and Brian A. Skiff; **106** (699), 551 (E).
- Cowley, A. P.** — LMC Stellar X-ray Sources Observed With *ROSAT*. I. X-ray Data and Search For Optical Counterparts. — P. C. Schmidtke, A. P. Cowley, L. M. Frattare, T. K. McGrath, J. B. Hutchings, and D. Crampton; **106** (702), 843-57.
- The Changing Spectrum of the LMC Planetary N66. — A. P. Cowley, D. Crampton, P. C. Schmidtke, T. K. McGrath, and J. B. Hutchings; **106** (702), 876-8.
- Cox, Donald P.** — Supernova Remnants and the Physics of Strong Shock Waves. — Donald C. Ellison, Stephen P. Reynolds, Kazimierz Borkowski, Roger Chevalier, Donald P. Cox, John R. Dickel, Ryszard Pisarski, John Raymond, Stephen R. Spangler, Heinrich J. Völk, and John P. Wefel; **106** (701), 780-97 (K).
- Crampton, D.** — LMC Stellar X-ray Sources Observed With *ROSAT*. I. X-ray Data and Search For Optical Counterparts. — P. C. Schmidtke, A. P. Cowley, L. M. Frattare, T. K. McGrath, J. B. Hutchings, and D. Crampton; **106** (702), 843-57.
- The Changing Spectrum of the LMC Planetary N66. — A. P. Cowley, D. Crampton, P. C. Schmidtke, T. K. McGrath, and J. B. Hutchings; **106** (702), 876-8.

- Crawford, David L.** — *u* and *β* Photometry for Stars in the Open Cluster NGC 1502. — David L. Crawford; **106** (698), 397-403.
- Cristiani, S.** — Sky Subtraction with Fiber Spectrographs. — C. Lissandrini, S. Cristiani, and F. La Franca; **106** (705), 1157-64.
- Currott, David R.** — Photometric Surveys of Suspected Small-Amplitude Red Variables. III. An AAVSO Photometric Photometry Survey. — John R. Percy, Nancy Wong, Dietmar Böhme, David R. Currott, Frank Dempsey, George L. Fortier, Matt Ganis, Stephanie Parello, Howard J. Landis, Kenneth D. Luedke, Donald Pray, Michael S. Smith, Leroy F. Snyder, Raymond R. Thompson, Rick Wasson, Harold O. Williams, William S. G. Walker, and James E. Wood; **106** (700), 611-5.

D

- Daniel, Scott A.** — A Photometric and Radial-Velocity Analysis of the Intermediate-Age Open Cluster NGC 752. — Scott A. Daniel, David W. Latham, Robert D. Mathicu, and Bruce A. Twarog; **106** (697), 281-308.
- Danks, Anthony C.** — An Atlas of Southern MK Standards From 5800 to 10,200 Å. — Anthony C. Danks and Michel Dennefeld; **106** (698), 382-96.
- Davidson, Kris** — *Invited Review Paper* The Luminous Blue Variables: Astrophysical Geysers. — Roberta M. Humphreys and Kris Davidson; **106** (704), 1025-51.
- Deeg, Hans-Jörg** — Radio Spectra and Star-Formation Histories in H II Galaxies. — Hans-Jörg Deeg; **106** (702), 916 (A).
- Dempsey, Frank** — Photometric Surveys of Suspected Small-Amplitude Red Variables. III. An AAVSO Photometric Photometry Survey. — John R. Percy, Nancy Wong, Dietmar Böhme, David R. Currott, Frank Dempsey, George L. Fortier, Matt Ganis, Stephanie Parello, Howard J. Landis, Kenneth D. Luedke, Donald Pray, Michael S. Smith, Leroy F. Snyder, Raymond R. Thompson, Rick Wasson, Harold O. Williams, William S. G. Walker, and James E. Wood; **106** (700), 611-5.
- Dennefeld, Michel** — An Atlas of Southern MK Standards From 5800 to 10,200 Å. — Anthony C. Danks and Michel Dennefeld; **106** (698), 382-96.

- Deutsch, Eric W.** — Positions and Proper Motions of Dwarf Carbon Stars. — Eric W. Deutsch; **106** (705), 1134-7.
- de Vaucouleurs, G.** — Erratum: Magnitudes and Colors of SN 1993J Comparison Stars (1994, PASP, **106**, 156). — G. de Vaucouleurs, Harold G. Corwin, Jr., and Brian A. Skiff; **106** (699), 551 (E).
- Dickel, John R.** — Supernova Remnants and the Physics of Strong Shock Waves. — Donald C. Ellison, Stephen P. Reynolds, Kazimierz Borkowski, Roger Chevalier, Donald P. Cox, John R. Dickel, Ryszard Pisarski, John Raymond, Stephen R. Spangler, Heinrich J. Völk, and John P. Wefel; **106** (701), 780-97 (K).
- Dinshaw, N.** — HL Canis Majoris in Preoutburst and SS Cygni-The Interoutburst Disk Instability. — C. S. Mansperger, R. H. Kaitchuck, P. M. Garnavich, N. Dinshaw, and E. Zankoff; **106** (702), 858-68.
- Doyon, René** — The Montréal Near-Infrared Camera. — Daniel Nadeau, David C. Murphy, René Doyon, and Neil Rowlands; **106** (702), 909-14.
- Drissen, Laurent** — A Ring Nebula Surrounding Evolved Massive Stars in the Post-Starburst Galaxy NGC 1569. — Laurent Drissen and Jean-René Roy; **106** (703), 974-7.
- Duncombe, R.** — Astrometry with *Hubble Space Telescope* Fine Guidance Sensor Number 3: Position-Mode Stability and Precision. — G. F. Benedict, B. McArthur, E. Nelan, D. Story, A. L. Whipple, W. H. Jefferys, Q. Wang, P. J. Shelus, P. D. Hemenway, J. McCartney, Wm. F. van Altena, R. Duncombe, O. G. Franz, and L. W. Fredrick; **106** (697), 327-36.

E

- Ebbets, D. C.** — The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggett, G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.

- Ellis, Richard** — A Low-Dispersion Survey Spectrograph (LDSS-2) for the William Herschel Telescope. — Jeremy Allington-Smith, Mike Breare, Richard Ellis, Dave Gellatly, Karl Glazebrook, Paul Jorden, John MacLean, Paddy Oates, Graham Shaw, Nial Tanvir, Keith Taylor, Philip Taylor, John Webster, and Sue Worswick; **106** (703), 983-91.

- Ellison, Donald C.** — Supernova Remnants and the Physics of Strong Shock Waves. — Donald C. Ellison, Stephen P. Reynolds, Kazimierz Borkowski, Roger Chevalier, Donald P. Cox, John R. Dickel, Ryszard Pisarski, John Raymond, Stephen R. Spangler, Heinrich J. Völk, and John P. Wefel; **106** (701), 780-97 (K).

- Elson, Rebecca A. W.** — *HST* Imaging of the Large Magellanic Cloud: The Field-Star Population near 30 Doradus. — Rebecca A. W. Elson, Duncan A. Forbes, and Gerard F. Gilmore; **106** (700), 632-41.

- Epps, Harland W.** — GRIS: The Grating Infrared Spectrometer. — Rodger I. Thompson, Harland W. Epps, Greg Winters, William Womack, and Eric Mentzell; **106** (695), 94-100.

F

- Feibelman, Walter A.** — On Planetary Nebula Nuclei of the Spectral Type "Continuous". — Walter A. Feibelman; **106** (695), 56-8.

- The Spectrum of the Planetary Nebula IC 418. — Siek Hyung, Lawrence H. Aller, and Walter A. Feibelman; **106** (701), 745-55.

- X-Ray Planetary Nebulae. — Walter A. Feibelman; **106** (701), 756-64.

- Fernie, J. D.** — R Coronae Borealis in 1992 and 1993. — J. D. Fernie and S. Seager; **106** (705), 1138-40.

- Filimonova, I. V.** — Distribution of Supernovae Relative to Spiral Arms and H II Regions. — O. S. Bartunov, D. Yu. Tsvetkov, and I. V. Filimonova; **106** (706), 1276-84.

- Fletcher, J. Murray** — Direct Imaging of Faint Stellar Companions. — Gordon A. H. Walker, Andrew R. Walker, René Racine, J. Murray Fletcher, and Robert D. McClure; **106** (698), 356-62.

- Foltz, Craig B.** — Quasar Surveys. — Paul C. Hewett and Craig B. Foltz; **106** (696), 113-30.

- Forbes, Duncan A.** — *HST* Imaging of the Large Magellanic Cloud: The Field-Star Population near 30 Doradus. — Rebecca A. W. Elson, Duncan A. Forbes, and Gerard F. Gilmore; **106** (700), 632-41.

- Fortier, George L.** — Photometric Surveys of Suspected Small-Amplitude Red Variables. III. An AAVSO Photometric Photometry Survey. — John R. Percy, Nancy Wong, Dietmar Böhme, David R. Currott, Frank Dempsey, George L. Fortier, Matt Ganis, Stephanie Parello, Howard J. Landis, Kenneth D. Luedke, Donald Pray, Michael S. Smith, Leroy F. Snyder, Raymond R. Thompson, Rick Wasson, Harold O. Williams, William S. G. Walker, and James E. Wood; **106** (700), 611-5.

- Fox, G. K.** — On the Polarimetric Variability of Y Cygni. — G. K. Fox; **106** (698), 370-5.

- Franklin, Barbara E.** — Removing Cosmic-Ray Hits from Multiorbit *HST* Wide Field Camera Images. — Rogier A. Windhorst, Barbara E. Franklin, and Lyman W. Neuschaefer; **106** (701), 798-806.

- Franz, O. G.** — Astrometry with *Hubble Space Telescope* Fine Guidance Sensor Number 3: Position-Mode Stability and Precision. — G. F. Benedict, B. McArthur, E. Nelan, D. Story, A. L. Whipple, W. H. Jefferys, Q. Wang, P. J. Shelus, P. D. Hemenway, J. McCartney, Wm. F. van Altena, R. Duncombe, O. G. Franz, and L. W. Fredrick; **106** (697), 327-36.

- Fratte, L. M.** — LMC Stellar X-ray Sources Observed With *ROSAT*. I. X-ray Data and Search for Optical Counterparts. — P. C. Schmidtke, A. P. Cowley, L. M. Fratrate, T. K. McGrath, J. B. Hutchings, and D. Crampton; **106** (702), 843-57.

- Fredrick, L. W.** — Astrometry with *Hubble Space Telescope* Fine Guidance Sensor Number 3: Position-Mode Stability and Precision. — G. F. Benedict, B. McArthur, E. Nelan, D. Story, A. L. Whipple, W. H. Jefferys, Q. Wang, P. J. Shelus, P. D. Hemenway, J. McCartney, Wm. F. van Altena, R. Duncombe, O. G. Franz, and L. W. Fredrick; **106** (697), 327-36.

- Fried, Robert E.** — Short-Term Photometric Variability of Psi Persei and Zeta Tauri. — John R. Percy, Inese I. Ivans, Robert E. Fried, and Margit Paparo; **106** (696), 131-3.

- Fry, D. J. I.** — Erratum: Studies of Large-Amplitude Delta Scuti Variables. I. A Case Study of EH Librae (1993, PASP, **105**, 809). — W. J. F. Wilson, E. F. Milone, and D. J. I. Fry; **106** (699), 550 (E).

- Studies of Large-Amplitude Delta Scuti Variables. II. DY Herculis. — E. F. Milone, W. J. F. Wilson, D. J. I. Fry, and S. J. Schiller; **106** (705), 1120-33.
- Fulton, Eliza E.** — The Reduction of Fiber-Fed Echelle Spectrograph Data: Methods and an IDL-Based Solution Procedure. — Jeffrey C. Hall, Eliza E. Fulton, David P. Huenemoerder, Alan D. Welty, and James E. Neff; **106** (697), 315-26.

G

- Gallagher, John S., III** — Dwarf Spheroidal Galaxies: Keystones of Galaxy Evolution. — John S. Gallagher, III and Rosemary F. G. Wyse; **106** (706), 1225-38.
- Ganis, Matt** — Photometric Surveys of Suspected Small-Amplitude Red Variables. III. An AAVSO Photometric Photometry Survey. — John R. Percy, Nancy Wong, Dietmar Böhme, David R. Currott, Frank Dempsey, George L. Fortier, Matt Ganis, Stephanie Pareilo, Howard J. Landis, Kenneth D. Luedke, Donald Pray, Michael S. Smith, Leroy F. Snyder, Raymond R. Thompson, Rick Wasson, Harold O. Williams, William S. G. Walker, and James E. Wood; **106** (700), 611-5.
- Garmany, Catharine D.** — OB Associations: Massive Stars in Context. — Catharine D. Garmany; **106** (695), 25-37.
- Garnavich, P. M.** — HL Canis Majoris in Preoutburst and SS Cygni—The Interoutburst Disk Instability. — C. S. Mansperger, R. H. Kaitchuck, P. M. Garnavich, N. Dinshaw, and E. Zamkoff; **106** (702), 858-68.
- Garnavich, Peter** — *Ginga* and *ROSAT* Observations of the Cataclysmic Variable S193. — Paula Szkody, Peter Garnavich, Michael Castelaz, and F. Makino; **106** (700), 616-8.
- Garnett, Donald R.** — A New Ejecta Shell Surrounding a Wolf-Rayet Star in the LMC. — Donald R. Garnett and You-Hua Chu; **106** (700), 626-31.
- Gatewood, George** — One Milliarcond Precision Studies in the Regions of Delta Equulei and Chi¹ Orionis. — George Gatewood; **106** (696), 138-44.
- Gaylard, M. J.** — Coexisting with GLONASS: Observing the 1612 MHz Hydroxyl Line. — W. L. Combrinck, M. E. West, and M. J. Gaylard; **106** (701), 807-12.
- Gellatly, Dave** — A Low-Dispersion Survey Spectrograph (LDSS-2) for the William Herschel Telescope. — Jeremy Allington-Smith, Mike Breare, Richard Ellis, Dave Gellatly, Karl Glazebrook, Paul Jorden, John MacLean, Paddy Oates, Graham Shaw, Nial Tanvir, Keith Taylor, Philip Taylor, John Webster, and Sue Worswick; **106** (703), 983-91.
- Ghez, Andrea** — A Reflective Shack-Hartmann Wave-Front Sensor for Adaptive Optics. — D'ardo Colucci, Michael Lloyd-Hart, David Wittman, Roger Angel, Andrea Ghez, and Brian McLeod; **106** (704), 1104-10.
- Gigoux, P.** — Southern Spectrophotometric Standards. II. — Mario Hamuy, N. B. Suntzeff, S. R. Heathcote, A. R. Walker, P. Gigoux, and M. M. Phillips; **106** (700), 566-89.
- Gilmore, Gerard F.** — *HST* Imaging of the Large Magellanic Cloud: The Field-Star Population near 30 Doradus. — Rebecca A. W. Elson, Duncan A. Forbes, and Gerard F. Gilmore; **106** (700), 632-41.
- Giovagnoli, Alessandra** — Spectroscopy of Long-Period Variables in M33. — Alessandra Giovagnoli and Jeremy Mould; **106** (698), 376-81.
- Glazebrook, Karl** — A Low-Dispersion Survey Spectrograph (LDSS-2) for the William Herschel Telescope. — Jeremy Allington-Smith, Mike Breare, Richard Ellis, Dave Gellatly, Karl Glazebrook, Paul Jorden, John MacLean, Paddy Oates, Graham Shaw, Nial Tanvir, Keith Taylor, Philip Taylor, John Webster, and Sue Worswick; **106** (703), 983-91.
- Glenn, Jason** — Follow-Up Observations of the Remarkable Double-Degenerate Binary LB 11146. — Jason Glenn, James Liebert, and Gary D. Schmidt; **106** (701), 722-5.
- Gneiding, C. D.** — Calibration of the *UBVRI* High-Speed Photometer of Laboratório Nacional de Astrofísica, Brazil. — F. Jablonski, R. Baptista, J. Barroso, Jr., C. D. Gneiding, F. Rodrigues, and R. P. Campos; **106** (705), 1172-83.
- Gonzalez, Guillermo** — A Study of the UV-Bright Stars in Omega Centauri and the Type II Cepheid ST Puppis. — Guillermo Gonzalez; **106** (696), 201 (A).

- Gould, Andrew** — Geometry of the *Hubble Space Telescope* Wide Field/Planetary Camera Field. — Andrew Gould and Brian Yanny; **106** (695), 101-3.
- Gower, Ann C.** — Correlated Optical and Radio Structure in the QSO 1302 — 102. — J. B. Hutchings, S. C. Morris, Ann C. Gower, and M. L. Lister; **106** (700), 642-5.
- Gray, David F.** — Stellar Magnetic-Cycle Phasing. — David F. Gray; **106** (696), 145-8.
- Spectral Line-Depth Ratios as Temperature Indicators for Cool Stars. — David F. Gray; **106** (706), 1248-57.
- Greason, Michael R.** — Correcting the Distortion of Images Taken with the Ultraviolet Imaging Telescope. — Michael R. Greason, Joel D. Offenberg, Robert H. Cornett, Robert S. Hill, and Theodore P. Stecher; **106** (705), 1151-6.
- Guerrero de Escalante, Eduardo Lorenzo Martín** — Early Evolution of Low-Mass Stars and Objects Close to the Substellar Mass Limit. — Eduardo Lorenzo Martín Guerrero de Escalante; **106** (696), 204 (A).
- Gunn, J. B.** — New Light Curves and Analysis of the Short-Period Algol XZ Canis Minoris. — Dirk Terrell, J. B. Gunn, and Daniel H. Kaiser; **106** (696), 149-53.
- Gussie, G. T.** — On the Expansion Velocities of Planetary Nebulae and the Circumstellar Envelopes of AGB Stars. — G. T. Gussie and A. R. Taylor; **106** (699), 500-7.
- Gutiérrez-Moreno, A.** — Spectroscopic Observations of the Planetary Nebula Me 2-1. — H. Moreno, A. Gutiérrez-Moreno, G. Cortés, and M. Hamuy; **106** (700), 619-25.
- Three Type I Planetary Nebulae. — A. Gutiérrez-Moreno, H. Moreno, and G. Cortés; **106** (702), 869-75.
- Second-Order UV Contamination in Astronomical Spectra. — A. Gutiérrez-Moreno, S. Heathcote, H. Moreno, and M. Hamuy; **106** (705), 1184-9.

H

- Hall, Jeffrey C.** — The Reduction of Fiber-Fed Echelle Spectrograph Data: Methods and an IDL-Based Solution Procedure. — Jeffrey C. Hall, Eliza E. Fulton, David P. Huenemoerder, Alan D. Welty, and James E. Neff; **106** (697), 315-26.
- Hamuy, M.** — Spectroscopic Observations of the Planetary Nebula Me 2-1. — H. Moreno, A. Gutiérrez-Moreno, G. Cortés, and M. Hamuy; **106** (700), 619-25.
- Second-Order UV Contamination in Astronomical Spectra. — A. Gutiérrez-Moreno, S. Heathcote, H. Moreno, and M. Hamuy; **106** (705), 1184-9.
- Hamuy, Mario** — Southern Spectrophotometric Standards. II. — Mario Hamuy, N. B. Suntzeff, S. R. Heathcote, A. R. Walker, P. Gigoux, and M. M. Phillips; **106** (700), 566-89.
- Haniff, Christopher A.** — Closure-Phase Imaging with Partial Adaptive Correction. — Christopher A. Haniff and Richard W. Wilson; **106** (703), 1003-14.
- Hanisch, Robert J.** — Network Resources for Astronomers. — Heinz Andernach, Robert J. Hanisch, and Fionn Murtagh; **106** (705), 1190-216.
- Haque-Copilah, S.** — Do Voids Cluster? — S. Haque-Copilah and D. Basu; **106** (695), 67-70.
- Heanue, J. F.** — Speckle Imaging with the MAMA Detector: Preliminary Results. — E. Horch, J. F. Heanue, J. S. Morgan, and J. G. Timothy; **106** (703), 992-1002.
- Heap, S. R.** — The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.
- Heathcote, S.** — Second-Order UV Contamination in Astronomical Spectra. — A. Gutiérrez-Moreno, S. Heathcote, H. Moreno, and M. Hamuy; **106** (705), 1184-9.
- Heathcote, S. R.** — Southern Spectrophotometric Standards. II. — Mario Hamuy, N. B. Suntzeff, S. R. Heathcote, A. R. Walker, P. Gigoux, and M. M. Phillips; **106** (700), 566-89.
- Heintz, Wulff D.** — An Astrometric Study of Four Binary Stars. — Wulff D. Heintz and Bruce A. Cantor; **106** (698), 363-4.

- Helou, G.** — Revised Sizes and Positions for the Mailyan Dwarf Galaxy Catalog. — B. F. Madore, H. Sun, J. Bennett, H. G. Corwin, Jr., G. Helou, C. Lague, M. Schmitz, and X. Wu; **106** (695), 63-6.
- Hemenway, P. D.** — Astrometry with *Hubble Space Telescope* Fine Guidance Sensor Number 3: Position-Mode Stability and Precision. — G. F. Benedict, B. McArthur, E. Nelan, D. Story, A. L. Whipple, W. H. Jefferys, Q. Wang, P. J. Shelus, P. D. Hemenway, J. McCartney, Wm. F. van Altena, R. Duncombe, O. G. Franz, and L. W. Fredrick; **106** (697), 327-36.
- Herbst, T. M.** — Numerical Evaluation of OH-Suppression Instruments. — T. M. Herbst; **106** (706), 1298-309.
- Hershey, John L.** — The Effect of Double Stars on the Guidance System of the *Hubble Space Telescope*. — John L. Hershey and Pierre Y. Bély; **106** (699), 542-7.
- Herter, Terry** — Spectroscopy and Photometry for Low-Mass Stars in Praesepe. — Scott D. Williams, John R. Stauffer, Charles F. Prosser, and Terry Herter; **106** (702), 817-21.
- Hewett, Paul C.** — Quasar Surveys. — Paul C. Hewett and Craig B. Foltz; **106** (696), 113-30.
- Hill, Robert S.** — Correcting the Distortion of Images Taken with the Ultraviolet Imaging Telescope. — Michael R. Greason, Joel D. Offenberger, Robert H. Cornett, Robert S. Hill, and Theodore P. Stecher; **106** (705), 1151-6.
- Hodapp, Klaus-Werner** — KSPEC—A Near-Infrared Cross-Dispersed Spectrograph. — Klaus-Werner Hodapp, Joseph L. Hora, Everett Irwin, and Tony Young; **106** (695), 87-93.
- Hodge, Paul** — The H II Regions of Holmberg II. — Paul Hodge, Nicolas V. Strobel, and Robert C. Kennicutt; **106** (697), 309-14.
- The H II Regions of Sextans A. — Paul Hodge, Robert C. Kennicutt, and Nicolas Strobel; **106** (701), 765-9.
- Holfeltz, S. T.** — The Photometric Properties of the *HST* Astrometer Fine Guidance Sensor. — B. Bucciarelli, S. T. Holfeltz, M. G. Lattanzi, L. G. Taff, and P. C. Vener-Saavedra; **106** (698), 417-22.
- Honeycutt, R. K.** — Spectroscopy and Photometry of the Dwarf Nova BZ Ursae Majoris and the CV Linewidth/*K*, Mass-Ratio Relation. — J. S. Jurcevic, R. K. Honeycutt, E. M. Schlegel, and R. F. Webbink; **106** (699), 481-5.
- Devices for Observatory Automation. — R. K. Honeycutt, B. R. Adams, D. J. Swearingen, and W. R. Kopp; **106** (700), 670-4.
- Honeycutt, R. Kent** — Quantitative Spectral Types for 19 Algol Secondaries. — Tae S. Yoon, R. Kent Honeycutt, Ronald H. Kaitchuck, and Eric M. Schlegel; **106** (697), 239-43.
- Hora, Joseph L.** — KSPEC—A Near-Infrared Cross-Dispersed Spectrograph. — Klaus-Werner Hodapp, Joseph L. Hora, Everett Irwin, and Tony Young; **106** (695), 87-93.
- Horch, E.** — Speckle Imaging with the MAMA Detector: Preliminary Results. — E. Horch, J. F. Heanue, J. S. Morgan, and J. G. Timothy; **106** (703), 992-1002.
- Horch, Elliott Pierce** — Speckle Imaging with the Multi-Anode Microchannel Array Detector. — Elliott Pierce Horch; **106** (700), 688 (A).
- Horne, Keith** — Echo Mapping of Active Galactic Nuclei Broad-Line Regions: Fundamental Algorithms. — Roberto Vio, Keith Horne, and Willem Wamsteker; **106** (704), 1091-103.
- Horner, Scott** — The AFOE: A Spectrograph for Precise Doppler Studies. — Timothy M. Brown, Robert W. Noyes, Peter Nisenson, Sylvain G. Korzennik, and Scott Horner; **106** (706), 1285-97.
- Hrivnak, Bruce J.** — High-Resolution Optical Imaging of the "Frosty Leo" Nebula. — Philip P. Langill, Sun Kwok, and Bruce J. Hrivnak; **106** (701), 736-44.
- Huenemoerder, David P.** — The Reduction of Fiber-Fed Echelle Spectrograph Data: Methods and an IDL-Based Solution Procedure. — Jeffrey C. Hall, Eliza E. Fulton, David P. Huenemoerder, Alan D. Welty, and James E. Neff; **106** (697), 315-26.
- Hufnagel, Beth** — Mg II Chromospheric-Emission Dating of HR 1614 Moving-Group Stars. — Beth Hufnagel and Graeme H. Smith; **106** (704), 1068-74.
- Humphreys, Roberta M.** — *Invited Review Paper* The Luminous Blue Variables: Astrophysical Geysers. — Roberta M. Humphreys and Kris Davidson; **106** (704), 1025-51.
- Hurt, Robert L.** — A Multi-Wavelength Exploration of the Nearby Starburst Galaxy Maffei 2. — Robert L. Hurt; **106** (699), 549 (A).
- Hutchings, J. B.** — Correlated Optical and Radio Structure in the QSO 1302 — 102. — J. B. Hutchings, S. C. Morris, Ann C. Gower, and M. L. Lister; **106** (700), 642-5.
- LMC Stellar X-ray Sources Observed With *ROSAT*. I. X-ray Data and Search For Optical Counterparts. — P. C. Schmidtke, A. P. Cowley, L. M. Frattare, T. K. McGrath, J. B. Hutchings, and D. Crampton; **106** (702), 843-57.
- The Changing Spectrum of the LMC Planetary N66. — A. P. Cowley, D. Crampton, P. C. Schmidtke, T. K. McGrath, and J. B. Hutchings; **106** (702), 876-8.
- The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.
- Hyung, Siek** — The Spectrum of the Planetary Nebula IC 418. — Siek Hyung, Lawrence H. Aller, and Walter A. Feibelman; **106** (701), 745-55.
- I**
- Irwin, Everett** — KSPEC—A Near-Infrared Cross-Dispersed Spectrograph. — Klaus-Werner Hodapp, Joseph L. Hora, Everett Irwin, and Tony Young; **106** (695), 87-93.
- Ivans, Inese I.** — Short-Term Photometric Variability of Psi Persei and Zeta Tauri. — John R. Percy, Inese I. Ivans, Robert E. Fried, and Margit Paparo; **106** (696), 131-3.
- Iye, M.** — Wavefront Reconstruction Error of Shack-Hartmann Wavefront Sensors. — N. Takato, M. Iye, and I. Yamaguchi; **106** (696), 182-8.
- J**
- Jablonski, F.** — Calibration of the *UBVRI* High-Speed Photometer of Laboratório Nacional de Astrofísica, Brazil. — F. Jablonski, R. Baptista, J. Barroso, Jr., C. D. Gneiding, F. Rodrigues, and R. P. Campos; **106** (705), 1172-83.
- Jannuzi, Buell T.** — The *HST* Quasar Absorption-Line Key Project. VIII. CCD Imaging of *Hubble Space Telescope* Quasar Fields. — Sofia Kirhakos, W. L. W. Sargent, Donald P. Schneider, John N. Bahcall, Buell T. Jannuzi, Dan Maoz, and Todd A. Small; **106** (700), 646-69.
- Erratum: The *HST* Quasar Absorption Line Key Project. VIII. CCD Imaging of *Hubble Space Telescope* Quasar Fields (1994, PASP, 106, 646). — Sofia Kirhakos, W. L. W. Sargent, Donald P. Schneider, John N. Bahcall, Buell T. Jannuzi, Dan Maoz, and Todd A. Small; **106** (703), 1020-1 (E).
- Jefferys, W. H.** — Astrometry with *Hubble Space Telescope* Fine Guidance Sensor Number 3: Position-Mode Stability and Precision. — G. F. Benedict, B. McArthur, E. Nelan, D. Story, A. L. Whipple, W. H. Jefferys, Q. Wang, P. J. Shelus, P. D. Hemenway, J. McCartney, Wm. F. van Altena, R. Duncombe, O. G. Franz, and L. W. Fredrick; **106** (697), 327-36.
- Jeong, Y.-C.** — Procedures for Radial Velocities of Close Binaries from Spectra Obtained with the Lick Echelle-CCD Spectrometer. — Daniel M. Popper and Y.-C. Jeong; **106** (696), 189-99.
- Jorden, Paul** — A Low-Dispersion Survey Spectrograph (LDSS-2) for the William Herschel Telescope. — Jeremy Allington-Smith, Mike Breare, Richard Ellis, Dave Gellatly, Karl Glazebrook, Paul Jorden, John MacLean, Paddy Oates, Graham Shaw, Nial Tanvir, Keith Taylor, Philip Taylor, John Webster, and Sue Worswick; **106** (703), 983-91.
- Jørgensen, Inger** — Secondary Photometric Standard Stars for the Thuan-Gunn and Johnson-Kron-Cousins Systems. — Inger Jørgensen; **106** (703), 967-73.
- Jura, M.** — The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.
- Jurcevic, J. S.** — Spectroscopy and Photometry of the Dwarf Nova BZ Ursae Majoris and the CV Linewidth/*K*, Mass-Ratio Relation. — J. S. Jurcevic, R. K. Honeycutt, E. M. Schlegel, and R. F. Webbink; **106** (699), 481-5.

K

- Kaiser, Daniel H.** — New Light Curves and Analysis of the Short-Period Algal XZ Canis Minoris. — Dirk Terrell, J. B. Gunn, and Daniel H. Kaiser; **106** (696), 149-53.
- Kaitchuck, R. H.** — HL Canis Majoris in Preoutburst and SS Cygni-The Interoutburst Disk Instability. — C. S. Mansperger, R. H. Kaitchuck, P. M. Garnavich, N. Dinshaw, and E. Zamkoff; **106** (702), 858-68.
- Kaitchuck, Ronald H.** — Quantitative Spectral Types for 19 Algal Secondaries. — Tae S. Yoon, R. Kent Honeycutt, Ronald H. Kaitchuck, and Eric M. Schlegel; **106** (697), 239-43.
- Kaufmann, David E.** — Self-Consistent Models of Barred Spiral Galaxies. — David E. Kaufmann; **106** (696), 202.
- Kawada, M.** — A Rocket-Borne Observation of the Near-Infrared Sky Brightness. — S. Matsuura, M. Kawada, H. Matsuhara, T. Matsumoto, M. Noda, M. Tanaka, and J. J. Bock; **106** (701), 770-9.
- Kennicutt, Robert C.** — The H II Regions of Holmberg II. — Paul Hodge, Nicolas V. Strobel, and Robert C. Kennicutt; **106** (697), 309-14.
- The H II Regions of Sextans A. — Paul Hodge, Robert C. Kennicutt, and Nicolas Strobel; **106** (701), 765-9.
- King, Jeremy R.** — Stellar Oxygen Abundances. — Jeremy R. King; **106** (698), 423 (A).
- Kirhakos, Sofia** — The *HST* Quasar Absorption-Line Key Project. VIII. CCD Imaging of *Hubble Space Telescope* Quasar Fields. — Sofia Kirhakos, W. L. W. Sargent, Donald P. Schneider, John N. Bahcall, Buell T. Jannuzi, Dan Maoz, and Todd A. Small; **106** (700), 646-69.
- Erratum: The *HST* Quasar Absorption Line Key Project. VIII. CCD Imaging of *Hubble Space Telescope* Quasar Fields (1994, PASP, 106, 646). — Sofia Kirhakos, W. L. W. Sargent, Donald P. Schneider, John N. Bahcall, Buell T. Jannuzi, Dan Maoz, and Todd A. Small; **106** (703), 1020-1 (E).
- Koo, D. C.** — Deep *UBVRI* Photometric Calibration of High-Latitude Fields: SA 57 (1307 + 30) and Hercules (1720 + 50). — S. R. Majewski, R. G. Kron, D. C. Koo, and M. A. Bershad; **106** (706), 1258-70.
- Kopp, W. R.** — Devices for Observatory Automation. — R. K. Honeycutt, B. R. Adams, D. J. Swearingen, and W. R. Kopp; **106** (700), 670-4.
- Korzennik, Sylvain G.** — The AFOE: A Spectrograph for Precise Doppler Studies. — Timothy M. Brown, Robert W. Noyes, Peter Nissen, Sylvain G. Korzennik, and Scott Horner; **106** (706), 1285-97.
- Kraft, Robert P.** — *Invited Review Paper* Abundance Differences Among Globular-Cluster Giants: Primordial Versus Evolutionary Scenarios. — Robert P. Kraft; **106** (700), 553-65.
- Kron, R. G.** — Deep *UBVRI* Photometric Calibration of High-Latitude Fields: SA 57 (1307 + 30) and Hercules (1720 + 50). — S. R. Majewski, R. G. Kron, D. C. Koo, and M. A. Bershad; **106** (706), 1258-70.
- Kwok, Sun** — Planetary Nebulae: A Modern View. — Sun Kwok; **106** (698), 344-55.
- High-Resolution Optical Imaging of the "Frosty Leo" Nebula. — Philip P. Langill, Sun Kwok, and Bruce J. Hrivnak; **106** (701), 736-44.

L

- La Franca, F.** — Sky Subtraction with Fiber Spectrographs. — C. Lissandrini, S. Cristiani, and F. La Franca; **106** (705), 1157-64.
- Lague, C.** — Revised Sizes and Positions for the Mailyan Dwarf Galaxy Catalog. — B. F. Madore, H. Sun, J. Bennett, H. G. Corwin, Jr., G. Helou, C. Lague, M. Schmitz, and X. Wu; **106** (695), 63-6.
- Lambert, David L.** — The Carbon Underabundance of the Secondary of V356 Sagittarii. — Jocelyn Tomkin and David L. Lambert; **106** (698), 365-9.
- Landis, Howard J.** — Photometric Surveys of Suspected Small-Amplitude Red Variables. III. An AAVSO Photometric Photometry Survey. — John R. Percy, Nancy Wong, Dietmar Böhme, David R. Curott, Frank Dempsey, George L. Fortier, Matt Ganis, Stephanie Parello, Howard J. Landis, Kenneth D. Luedeker, Donald Pray, Michael S. Smith, Leroy F. Snyder, Raymond R. Thompson, Rick Wasson, Harold O. Williams, William S. G. Walker, and James E. Wood; **106** (700), 611-5.
- Langill, Philip P.** — High-Resolution Optical Imaging of the "Frosty Leo" Nebula. — Philip P. Langill, Sun Kwok, and Bruce J. Hrivnak; **106** (701), 736-44.
- Lanning, Howard H.** — A Finding List of Faint UV-Bright Stars in the Galactic Plane. II. — Howard H. Lanning and Michael Meakes; **106** (695), 38-46.
- Lapasset, Emilio** — A Revised Effective-Temperature Calibration for the DDO Photometric System. — Juan J. Clariá, Andrés E. Piatti, and Emilio Lapasset; **106** (699), 436-43.
- Latham, David W.** — A Photometric and Radial-Velocity Analysis of the Intermediate-Age Open Cluster NGC 752. — Scott A. Daniel, David W. Latham, Robert D. Mathieu, and Bruce A. Twarog; **106** (697), 281-308.
- Lattanzi, M. G.** — The Photometric Properties of the *HST* Astrometer Fine Guidance Sensor. — B. Bucciarelli, S. T. Holfeltz, M. G. Lattanzi, L. G. Taff, and P. C. Vener-Saavedra; **106** (698), 417-22.
- Lawson, Peter R.** — Group Delay Tracking with the Sydney University Stellar Interferometer. — Peter R. Lawson; **106** (702), 917 (A).
- Leckrone, D. S.** — The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.
- Leonard, Peter J. T.** — Astrophysics in 1993. — Virginia Trimble and Peter J. T. Leonard; **106** (695), 1-24.
- Liebert, James** — Follow-Up Observations of the Remarkable Double-Degenerate Binary LB 11146. — Jason Glenn, James Liebert, and Gary D. Schmidt; **106** (701), 722-5.
- Liller, William** — Spectroscopy of an Extremely Blue Star in the Globular Cluster NGC 2298. — Erich Wenderoth, Franklin Alvarado, William Liller, and Mark M. Phillips; **106** (701), 718-21.
- Lindler, D. J.** — The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.
- Linsky, J. L.** — The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.
- Lissandrini, C.** — Sky Subtraction with Fiber Spectrographs. — C. Lissandrini, S. Cristiani, and F. La Franca; **106** (705), 1157-64.
- Lister, M. L.** — Correlated Optical and Radio Structure in the QSO 1302 - 102. — J. B. Hutchings, S. C. Morris, Ann C. Gower, and M. L. Lister; **106** (700), 642-5.
- Llacer, Jorge** — Erratum: A General Bayesian Image-Reconstruction Algorithm with Entropy Prior. Preliminary Application to *HST* Data (1993, PASP, 105, 1192). — Jorge Núñez and Jorge Llacer; **106** (699), 550 (E).
- Lloyd-Hart, Michael** — A Reflective Shack-Hartmann Wave-Front Sensor for Adaptive Optics. — D'nardo Colucci, Michael Lloyd-Hart, David Wittman, Roger Angel, Andrea Ghez, and Brian McLeod; **106** (704), 1104-10.
- Luedeker, Kenneth D.** — Photometric Surveys of Suspected Small-Amplitude Red Variables. III. An AAVSO Photometric Photometry Survey. — John R. Percy, Nancy Wong, Dietmar Böhme, David R. Curott, Frank Dempsey, George L. Fortier, Matt Ganis, Stephanie Parello, Howard J. Landis, Kenneth D. Luedeker, Donald Pray, Michael S. Smith, Leroy F. Snyder, Raymond R. Thompson, Rick Wasson, Harold O. Williams, William S. G. Walker, and James E. Wood; **106** (700), 611-5.
- Luu, Jane** — Comets Disguised as Asteroids. — Jane Luu; **106** (699), 425-35.

M

- MacLean, John** — A Low-Dispersion Survey Spectrograph (LDSS-2) for the William Herschel Telescope. — Jeremy Allington-Smith, Mike Breare, Richard Ellis, Dave Gellatly, Karl Glazebrook, Paul Jorden, John MacLean, Paddy Oates, Graham Shaw, Nial Tanvir, Keith Taylor, Philip Taylor, John Webster, and Sue Worswick; **106** (703), 983-91.
- Madore, B. F.** — Revised Sizes and Positions for the Mailyan Dwarf Galaxy Catalog. — B. F. Madore, H. Sun, J. Bennett, H. G. Corwin, Jr., G. Helou, C. Lague, M. Schmitz, and X. Wu; **106** (695), 63-6.
- Majewski, S. R.** — Deep *UBVRI* Photometric Calibration of High-Latitude Fields: SA 57 (1307 + 30) and Hercules (1720 + 50). — S. R. Majewski, R. G. Kron, D. C. Koo, and M. A. Bershad; **106** (706), 1258-70.
- Makino, F.** — *Ginga* and *ROSAT* Observations of the Cataclysmic Variable S193. — Paula Szkody, Peter Garnavich, Michael Castelaz, and F. Makino; **106** (700), 616-8.
- Malumuth, E.** — The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.
- Mansperger, C. S.** — HL Canis Majoris in Preoutburst and SS Cygni—The Interoutburst Disk Instability. — C. S. Mansperger, R. H. Kaitchuck, P. M. Garnavich, N. Dinshaw, and E. Zamkoff; **106** (702), 858-68.
- Maoz, Dan** — The *HST* Quasar Absorption-Line Key Project. VIII. CCD Imaging of *Hubble Space Telescope* Quasar Fields. — Sofia Kirhakos, W. L. W. Sargent, Donald P. Schneider, John N. Bahcall, Buell T. Jannuzi, Dan Maoz, and Todd A. Small; **106** (700), 646-69.
- Erratum: The *HST* Quasar Absorption Line Key Project. VIII. CCD Imaging of *Hubble Space Telescope* Quasar Fields (1994, PASP, 106, 646). — Sofia Kirhakos, W. L. W. Sargent, Donald P. Schneider, John N. Bahcall, Buell T. Jannuzi, Dan Maoz, and Todd A. Small; **106** (703), 1020-1 (E).
- Maran, S. P.** — The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.
- Maraziti, Deborah** — Synthetic QSO Host Galaxies. — Deborah Maraziti and Alan Stockton; **106** (695), 71-6.
- Martin, R.** — The La Palma Data Archive. — E. J. Zuiderwijk, R. Martin, E. Raimond, and G. N. J. van Diepen; **106** (699), 515-22.
- Marti-Ribas, Josep** — Radio-Emitting X-Ray Binaries. — Josep Marti-Ribas; **106** (696), 203 (A).
- Mathieu, Robert D.** — A Photometric and Radial-Velocity Analysis of the Intermediate-Age Open Cluster NGC 752. — Scott A. Daniel, David W. Latham, Robert D. Mathieu, and Bruce A. Twarog; **106** (697), 281-308.
- Matsuhara, H.** — A Rocket-Borne Observation of the Near-Infrared Sky Brightness. — S. Matsuura, M. Kawada, H. Matsuhara, T. Matsumoto, M. Noda, M. Tanaka, and J. J. Bock; **106** (701), 770-9.
- Matsumoto, T.** — A Rocket-Borne Observation of the Near-Infrared Sky Brightness. — S. Matsuura, M. Kawada, H. Matsuhara, T. Matsumoto, M. Noda, M. Tanaka, and J. J. Bock; **106** (701), 770-9.
- 2.4 μ m Sky Brightness at Balloon Altitude. — T. Matsumoto, S. Matsuura, and M. Noda; **106** (705), 1217-21.
- Matsuura, S.** — A Rocket-Borne Observation of the Near-Infrared Sky Brightness. — S. Matsuura, M. Kawada, H. Matsuhara, T. Matsumoto, M. Noda, M. Tanaka, and J. J. Bock; **106** (701), 770-9.
- 2.4 μ m Sky Brightness at Balloon Altitude. — T. Matsumoto, S. Matsuura, and M. Noda; **106** (705), 1217-21.
- Mayya, Y. Divakara** — Star Formation in Giant Extragalactic H II Regions. — Y. Divakara Mayya; **106** (698), 424 (A).
- McArthur, B.** — Astrometry with *Hubble Space Telescope* Fine Guidance Sensor Number 3: Position-Mode Stability and Precision. — G. F. Benedict, B. McArthur, E. Nelan, D. Story, A. L. Whipple, W. H. Jefferys, Q. Wang, P. J. Shelus, P. D. Hemenway, J. McCartney, Wm. F. van Altena, R. Duncombe, O. G. Franz, and L. W. Fredrick; **106** (697), 327-36.
- McCarthy, D. W., Jr.** — High-Resolution Imaging with a Tip-Tilt Cassegrain Secondary. — L. M. Close and D. W. McCarthy, Jr.; **106** (695), 77-86.
- McCartney, J.** — Astrometry with *Hubble Space Telescope* Fine Guidance Sensor Number 3: Position-Mode Stability and Precision. — G. F. Benedict, B. McArthur, E. Nelan, D. Story, A. L. Whipple, W. H. Jefferys, Q. Wang, P. J. Shelus, P. D. Hemenway, J. McCartney, Wm. F. van Altena, R. Duncombe, O. G. Franz, and L. W. Fredrick; **106** (697), 327-36.
- McClure, Robert D.** — Direct Imaging of Faint Stellar Companions. — Gordon A. H. Walker, Andrew R. Walker, René Racine, J. Murray Fletcher, and Robert D. McClure; **106** (698), 356-62.
- McDavid, David** — Multicolor Polarimetry of Selected Be Stars: 1990-93. — David McDav; **106** (703), 949-63.
- McGrath, T. K.** — LMC Stellar X-ray Sources Observed With *ROSAT*. I. X-ray Data and Search For Optical Counterparts. — P. C. Schmidtke, A. P. Cowley, L. M. Frattare, T. K. McGrath, J. B. Hutchings, and D. Crampton; **106** (702), 843-57.
- The Changing Spectrum of the LMC Planetary N66. — A. P. Cowley, D. Crampton, P. C. Schmidtke, T. K. McGrath, and J. B. Hutchings; **106** (702), 876-8.
- McGregor, Peter J.** — The MSSSO Near-Infrared Photometric System. — Peter J. McGregor; **106** (699), 508-14.
- McLaughlin, Dean E.** — An Analytical Study of the Globular-Cluster Luminosity Function. — Dean E. McLaughlin; **106** (695), 47-55.
- McLeod, Brian** — A Reflective Shack-Hartmann Wave-Front Sensor for Adaptive Optics. — D'nardo Colucci, Michael Lloyd-Hart, David Wittman, Roger Angel, Andrea Ghez, and Brian McLeod; **106** (704), 1104-10.
- McNamara, D. H.** — A Photometric Study of XX Virginis and V716 Ophiuchi. — D. H. McNamara and M. D. Pyne; **106** (699), 472-80.
- Meakes, Michael** — A Finding List of Faint UV-Bright Stars in the Galactic Plane. II. — Howard H. Lanning and Michael Meakes; **106** (695), 38-46.
- Mentzell, Eric** — GRIS: The Grating Infrared Spectrometer. — Rodger I. Thompson, Harland W. Epps, Greg Winters, William Womack, and Eric Mentzell; **106** (695), 94-100.
- Milone, Alejandra A. E.** — The Mean Radial Velocity of the Open Cluster NGC 6939. — Alejandra A. E. Milone; **106** (704), 1085-90.
- Milone, E. F.** — Erratum: Studies of Large-Amplitude Delta Scuti Variables. I. A Case Study of EH Librae (1993, PASP, 105, 809). — W. J. F. Wilson, E. F. Milone, and D. J. I. Fry; **106** (699), 550 (E).
- Studies of Large-Amplitude Delta Scuti Variables. II. DY Herculis. — E. F. Milone, W. J. F. Wilson, D. J. I. Fry, and S. J. Schiller; **106** (705), 1120-33.
- Minniti, Dante** — Kinematics and Stellar Populations of the Galactic Bulge. — Dante Minniti; **106** (701), 813 (A).
- Moore, David** — Narrow-Line Region Kinematics in Seyfert Nuclei. — David Moore; **106** (704), 1111 (A).
- Moreno, H.** — Spectroscopic Observations of the Planetary Nebula Me 2-1. — H. Moreno, A. Gutiérrez-Moreno, G. Cortés, and M. Hamuy; **106** (700), 619-25.
- Three Type I Planetary Nebulae. — A. Gutiérrez-Moreno, H. Moreno, and G. Cortés; **106** (702), 869-75.
- Second-Order UV Contamination in Astronomical Spectra. — A. Gutiérrez-Moreno, S. Heathcote, H. Moreno, and M. Hamuy; **106** (705), 1184-9.
- Morgan, J. S.** — Speckle Imaging with the MAMA Detector: Preliminary Results. — E. Horch, J. F. Heanue, J. S. Morgan, and J. G. Timothy; **106** (703), 992-1002.
- Morris, S. C.** — Correlated Optical and Radio Structure in the QSO 1302 - 102. — J. B. Hutchings, S. C. Morris, Ann C. Gower, and M. L. Lister; **106** (700), 642-5.
- Morris, Steven L.** — Two Mathematical Expansions of the Roche Equipotentials. — Steven L. Morris; **106** (696), 154-5.
- Morse, Jon A.** — A Method for Correcting Aspect Solution Errors in *ROSAT* HRI Observations of Compact Sources. — Jon A. Morse; **106** (700), 675-82.

- Mould, Jeremy** — Spectroscopy of Long-Period Variables in M33. — Alessandra Giovagnoli and Jeremy Mould; **106** (698), 376-81.
- Mulliss, Christopher L.** — A Search for Chromospherically Active Stars from the *ROSAT* EUV Source List. — Christopher L. Mulliss and Bernard W. Bopp; **106** (702), 822-7.
- Murphy, David C.** — The Montréal Near-Infrared Camera. — Daniel Nadeau, David C. Murphy, René Doyon, and Neil Rowlands; **106** (702), 909-14.
- Murtagh, Fionn** — Network Resources for Astronomers. — Heinz Andernach, Robert J. Hanisch, and Fionn Murtagh; **106** (705), 1190-216.
- N**
- Nadeau, Daniel** — The Montréal Near-Infrared Camera. — Daniel Nadeau, David C. Murphy, René Doyon, and Neil Rowlands; **106** (702), 909-14.
- Neff, James E.** — The Reduction of Fiber-Fed Echelle Spectrograph Data: Methods and an IDL-Based Solution Procedure. — Jeffrey C. Hall, Eliza E. Fulton, David P. Huenemoerder, Alan D. Welty, and James E. Neff; **106** (697), 315-26.
- Nelan, E.** — Astrometry with *Hubble Space Telescope* Fine Guidance Sensor Number 3: Position-Mode Stability and Precision. — G. F. Benedict, B. McArthur, E. Nelan, D. Story, A. L. Whipple, W. H. Jefferys, Q. Wang, P. J. Shelus, P. D. Hemenway, J. McCartney, Wm. F. van Altena, R. Duncombe, O. G. Franz, and L. W. Fredrick; **106** (697), 327-36.
- Neuschaefer, Lyman W.** — Removing Cosmic-Ray Hits from Multiorbit *HST* Wide Field Camera Images. — Rogier A. Windhorst, Barbara E. Franklin, and Lyman W. Neuschaefer; **106** (701), 798-806.
- Nisenson, Peter** — The AFOE: A Spectrograph for Precise Doppler Studies. — Timothy M. Brown, Robert W. Noyes, Peter Nisenson, Sylvain G. Korzennik, and Scott Horner; **106** (706), 1285-97.
- Noda, M.** — A Rocket-Borne Observation of the Near-Infrared Sky Brightness. — S. Matsuura, M. Kawada, H. Matsuhara, T. Matsumoto, M. Noda, M. Tanaka, and J. J. Bock; **106** (701), 770-9.
- 2.4 μ m Sky Brightness at Balloon Altitude. — T. Matsumoto, S. Matsuura, and M. Noda; **106** (705), 1217-21.
- Noriega-Crespo, A.** — The Gas-Phase Iron Abundance in Herbig-Haro Objects. — B. Beck-Winchatz, K. H. Böhm, and A. Noriega-Crespo; **106** (706), 1271-5.
- Noyes, Robert W.** — The AFOE: A Spectrograph for Precise Doppler Studies. — Timothy M. Brown, Robert W. Noyes, Peter Nisenson, Sylvain G. Korzennik, and Scott Horner; **106** (706), 1285-97.
- Núñez, Jorge** — Erratum: A General Bayesian Image-Reconstruction Algorithm with Entropy Prior. Preliminary Application to *HST* Data (1993, PASP, 105, 1192). — Jorge Núñez and Jorge Llacer; **106** (699), 550 (E).
- Núñez, N. S.** — On the Period Variation of the Delta Scuti Star VZ Cancri. — A. Arellano Ferro, N. S. Núñez, and J. J. Avila; **106** (701), 696-703.
- O**
- Oates, Paddy** — A Low-Dispersion Survey Spectrograph (LDSS-2) for the William Herschel Telescope. — Jeremy Allington-Smith, Mike Breare, Richard Ellis, Dave Gellatly, Karl Glazebrook, Paul Jorden, John MacLean, Paddy Oates, Graham Shaw, Nial Tanvir, Keith Taylor, Philip Taylor, John Webster, and Sue Worswick; **106** (703), 983-91.
- Offenberg, Joel D.** — Correcting the Distortion of Images Taken with the Ultraviolet Imaging Telescope. — Michael R. Greason, Joel D. Offenberg, Robert H. Cornett, Robert S. Hill, and Theodore P. Stecher; **106** (705), 1151-6.
- P**
- Paolantonio, S.** — Spectral Emission of a Sample of *IRAS* Galaxies. — E. L. Agüero, J. H. Calderón, S. Paolantonio, and E. Suárez Boedo; **106** (703), 978-82.
- Paparo, Margit** — Short-Term Photometric Variability of Psi Persei and Zeta Tauri. — John R. Percy, Inese I. Ivans, Robert E. Fried, and Margit Paparo; **106** (696), 131-3.
- Parello, Stephanie** — Photometric Surveys of Suspected Small-Amplitude Red Variables. III. An AAVSO Photometric Photometry Survey. — John R. Percy, Nancy Wong, Dietmar Böhme, David R. Currott, Frank Dempsey, George L. Fortier, Matt Ganis, Stephanie Parello, Howard J. Landis, Kenneth D. Luedeke, Donald Pray, Michael S. Smith, Leroy F. Snyder, Raymond R. Thompson, Rick Wasson, Harold O. Williams, William S. G. Walker, and James E. Wood; **106** (700), 611-5.
- Patterson, Joseph** — The DQ Herculis Stars. — Joseph Patterson; **106** (697), 209-38.
- Long-Term Periods in Cataclysmic Variables. — Hayley R. Richman, James H. Applegate, and Joseph Patterson; **106** (704), 1075-84.
- Superhumps in Cataclysmic Binaries. III. V795 Herculis. — Joseph Patterson and David R. Skillman; **106** (705), 1141-50.
- Percy, John R.** — Short-Term Photometric Variability of Psi Persei and Zeta Tauri. — John R. Percy, Inese I. Ivans, Robert E. Fried, and Margit Paparo; **106** (696), 131-3.
- Photometric Surveys of Suspected Small-Amplitude Red Variables. III. An AAVSO Photometric Photometry Survey. — John R. Percy, Nancy Wong, Dietmar Böhme, David R. Currott, Frank Dempsey, George L. Fortier, Matt Ganis, Stephanie Parello, Howard J. Landis, Kenneth D. Luedeke, Donald Pray, Michael S. Smith, Leroy F. Snyder, Raymond R. Thompson, Rick Wasson, Harold O. Williams, William S. G. Walker, and James E. Wood; **106** (700), 611-5.
- Peterson, Bradley M.** — Comments on Cross-Correlation Methodology in Variability Studies of Active Galactic Nuclei. — Russel J. White and Bradley M. Peterson; **106** (702), 879-89.
- Phillip, A. G. Davis** — Elemental Abundances of the B and A Stars. II. Gamma Geminorum, HD 60825, 7 Sextantis, HR 4817, and HR 5780. — Saul J. Adelman and A. G. Davis Phillip; **106** (706), 1239-47.
- Phillips, M. M.** — Southern Spectrophotometric Standards. II. — Mario Hamuy, N. B. Suntzeff, S. R. Heathcote, A. R. Walker, P. Giguex, and M. M. Phillips; **106** (700), 566-89.
- Phillips, Mark M.** — Spectroscopy of an Extremely Blue Star in the Globular Cluster NGC 2298. — Erich Wenderoth, Franklin Alvarado, William Liller, and Mark M. Phillips; **106** (701), 718-21.
- Piatti, Andrés E.** — A Revised Effective-Temperature Calibration for the DDO Photometric System. — Juan J. Clariá, Andrés E. Piatti, and Emilio Lapasset; **106** (699), 436-43.
- Pisarski, Ryszard** — Supernova Remnants and the Physics of Strong Shock Waves. — Donald C. Ellison, Stephen P. Reynolds, Kazimierz Borkowski, Roger Chevalier, Donald P. Cox, John R. Dickel, Ryszard Pisarski, John Raymond, Stephen R. Spangler, Heinrich J. Völk, and John P. Wefel; **106** (701), 780-97 (K).
- Popper, Daniel M.** — Procedures for Radial Velocities of Close Binaries from Spectra Obtained with the Lick Echelle-CCD Spectrometer. — Daniel M. Popper and Y.-C. Jeong; **106** (696), 189-99.
- Pray, Donald** — Photometric Surveys of Suspected Small-Amplitude Red Variables. III. An AAVSO Photometric Photometry Survey. — John R. Percy, Nancy Wong, Dietmar Böhme, David R. Currott, Frank Dempsey, George L. Fortier, Matt Ganis, Stephanie Parello, Howard J. Landis, Kenneth D. Luedeke, Donald Pray, Michael S. Smith, Leroy F. Snyder, Raymond R. Thompson, Rick Wasson, Harold O. Williams, William S. G. Walker, and James E. Wood; **106** (700), 611-5.
- Pritchett, C. J.** — *Invited Review Paper* The Search for Primeval Galaxies. — C. J. Pritchett; **106** (704), 1052-67.
- Prosser, Charles F.** — Spectroscopy and Photometry for Low-Mass Stars in Praesepe. — Scott D. Williams, John R. Stauffer, Charles F. Prosser, and Terry Herter; **106** (702), 817-21.
- Pyne, M. D.** — A Photometric Study of XX Virginis and V716 Ophiuchi. — D. H. McNamara and M. D. Pyne; **106** (699), 472-80.
- R**
- Racine, René** — Direct Imaging of Faint Stellar Companions. — Gordon A. H. Walker, Andrew R. Walker, René Racine, J. Murray Fletcher, and Robert D. McClure; **106** (698), 356-62.
- Ragazzoni, Roberto** — Cycle-Number Determination via the Hough Transform: The Technique and an Application to GW Cephei. — Roberto Ragazzoni and Cesare Barbieri; **106** (700), 683-7.
- Raimond, E.** — The La Palma Data Archive. — E. J. Zuiderwijk, R. Martin, E. Raimond, and G. N. J. van Diepen; **106** (699), 515-22.

- Randall, C. E.** — The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.
- Raymond, John** — Supernova Remnants and the Physics of Strong Shock Waves. — Donald C. Ellison, Stephen P. Reynolds, Kazimierz Borkowski, Roger Chevalier, Donald P. Cox, John R. Dickel, Ryszard Pisarski, John Raymond, Stephen R. Spangler, Heinrich J. Völk, and John P. Wefel; **106** (701), 780-97 (K).
- Reynolds, Stephen P.** — Supernova Remnants and the Physics of Strong Shock Waves. — Donald C. Ellison, Stephen P. Reynolds, Kazimierz Borkowski, Roger Chevalier, Donald P. Cox, John R. Dickel, Ryszard Pisarski, John Raymond, Stephen R. Spangler, Heinrich J. Völk, and John P. Wefel; **106** (701), 780-97 (K).
- Rice, John** — Surface Distribution of Iron and Chromium on 84 Ursae Majoris. — John Rice and William Wehlau; **106** (696), 134-7.
- Richman, Hayley R.** — Long-Term Periods in Cataclysmic Variables. — Hayley R. Richman, James H. Applegate, and Joseph Patterson; **106** (704), 1075-84.
- Riess, A. G.** — Detection and Classification of CCD Defects with an Artificial Neural Network. — R. D. Rogers and A. G. Riess; **106** (699), 532-41.
- Robinson, R.** — The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.
- Rodrigues, F.** — Calibration of the *UBVRI* High-Speed Photometer of Laboratório Nacional de Astrofísica, Brazil. — F. Jablonski, R. Baptista, J. Barroso, Jr., C. D. Gneiding, F. Rodrigues, and R. P. Campos; **106** (705), 1172-83.
- Rogers, R. D.** — Detection and Classification of CCD Defects with an Artificial Neural Network. — R. D. Rogers and A. G. Riess; **106** (699), 532-41.
- Rood, Herbert J.** — Type Ia Supernovae in Lyon Groups of Galaxies. — Herbert J. Rood; **106** (696), 170-2.
- Spatial Coincidence between a Number of Hickson Compact Groups and Loose Groups or Clusters. — Herbert J. Rood and Mitchell F. Struble; **106** (698), 413-6.
- Rowlands, Neil** — The Montréal Near-Infrared Camera. — Daniel Nadeau, David C. Murphy, René Doyon, and Neil Rowlands; **106** (702), 909-14.
- Roy, Jean-René** — A Ring Nebula Surrounding Evolved Massive Stars in the Post-Starburst Galaxy NGC 1569. — Laurent Drissen and Jean-René Roy; **106** (703), 974-7.
- Rucinski, S. M.** — $M_V = M_V(\log P, \log T_e)$ Calibrations for W Ursae Majoris Systems. — S. M. Rucinski; **106** (699), 462-71.
- S**
- Sada, Pedro Antonio Valdés** — Temporal Variations in the Circumstellar Shell IRC + 10216. — Pedro Antonio Valdés Sada; **106** (701), 815 (A).
- Sahu, Kailash C.** — Microlensing Events of the LMC are Better Explained by Stars within the LMC than by MACHOs. — Kailash C. Sahu; **106** (703), 942-8.
- Sakamoto, Seichi** — Physical Conditions of Molecular Gas in the Galaxy. — Seichi Sakamoto; **106** (704), 1112 (A).
- Sarajedini, Ata** — Globular-Cluster Photometry Near the Turnoff: Blue Stragglers, Relative Ages, and the Horizontal Branch. — Ata Sarajedini; **106** (696), 205 (A).
- CCD Photometry of the Galactic Globular Cluster NGC 6535 in the *B* and *V* Passbands. — Ata Sarajedini; **106** (698), 404-12.
- Sargent, W. L. W.** — The *HST* Quasar Absorption-Line Key Project. VIII. CCD Imaging of *Hubble Space Telescope* Quasar Fields. — Sofia Kirhakos, W. L. W. Sargent, Donald P. Schneider, John N. Bahcall, Buell T. Jannuzi, Dan Maoz, and Todd A. Small; **106** (700), 646-69.
- Erratum: The *HST* Quasar Absorption Line Key Project. VIII. CCD Imaging of *Hubble Space Telescope* Quasar Fields (1994, PASP, 106, 646). — Sofia Kirhakos, W. L. W. Sargent, Donald P. Schneider, John N. Bahcall, Buell T. Jannuzi, Dan Maoz, and Todd A. Small; **106** (703), 1020-1 (E).
- Savage, B. D.** — The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.
- Saygac, A. Talat** — Optical and Ultraviolet Spectroscopy of VW Hydri. — A. Talat Saygac; **106** (702), 918 (A).
- Schiller, S. J.** — Studies of Large-Amplitude Delta Scuti Variables. II. DY Herculis. — E. F. Milone, W. J. F. Wilson, D. J. I. Fry, and S. J. Schiller; **106** (705), 1120-33.
- Schlegel, E. M.** — Spectroscopy and Photometry of the Dwarf Nova BZ Ursae Majoris and the CV Linewidth/*K*, Mass-Ratio Relation. — J. S. Jurcevic, R. K. Honeycutt, E. M. Schlegel, and R. F. Webbink; **106** (699), 481-5.
- Schlegel, Eric M.** — Quantitative Spectral Types for 19 Algol Secondaries. — Tae S. Yoon, R. Kent Honeycutt, Ronald H. Kaithuck, and Eric M. Schlegel; **106** (697), 239-43.
- Schmidt, Gary D.** — Follow-Up Observations of the Remarkable Double-Degenerate Binary LB 11146. — Jason Glenn, James Liebert, and Gary D. Schmidt; **106** (701), 722-5.
- Schmidtke, P. C.** — LMC Stellar X-ray Sources Observed With *ROSAT*. I. X-ray Data and Search For Optical Counterparts. — P. C. Schmidtke, A. P. Cowley, L. M. Frattare, T. K. McGrath, J. B. Hutchings, and D. Crampton; **106** (702), 843-57.
- The Changing Spectrum of the LMC Planetary N66. — A. P. Cowley, D. Crampton, P. C. Schmidtke, T. K. McGrath, and J. B. Hutchings; **106** (702), 876-8.
- Schmitz, M.** — Revised Sizes and Positions for the Mailyan Dwarf Galaxy Catalog. — B. F. Madore, H. Sun, J. Bennett, H. G. Corwin, Jr., G. Helou, C. Lague, M. Schmitz, and X. Wu; **106** (695), 63-6.
- Schneider, Donald P.** — The *HST* Quasar Absorption-Line Key Project. VIII. CCD Imaging of *Hubble Space Telescope* Quasar Fields. — Sofia Kirhakos, W. L. W. Sargent, Donald P. Schneider, John N. Bahcall, Buell T. Jannuzi, Dan Maoz, and Todd A. Small; **106** (700), 646-69.
- Erratum: The *HST* Quasar Absorption Line Key Project. VIII. CCD Imaging of *Hubble Space Telescope* Quasar Fields (1994, PASP, 106, 646). — Sofia Kirhakos, W. L. W. Sargent, Donald P. Schneider, John N. Bahcall, Buell T. Jannuzi, Dan Maoz, and Todd A. Small; **106** (703), 1020-1 (E).
- Seager, S.** — R Coronae Borealis in 1992 and 1993. — J. D. Fernie and S. Seager; **106** (705), 1138-40.
- Shaw, Graham** — A Low-Dispersion Survey Spectrograph (LDSS-2) for the William Herschel Telescope. — Jeremy Allington-Smith, Mike Breare, Richard Ellis, Dave Gellatly, Karl Glazebrook, Paul Jorden, John MacLean, Paddy Oates, Graham Shaw, Nial Tanvir, Keith Taylor, Philip Taylor, John Webster, and Sue Worswick; **106** (703), 983-91.
- Sheeran, Marian** — *vbyH β* CCD Photometry of Melotte 66: A Disk Analog of Omega Centauri? — Barbara J. Anthony-Twarog, Bruce A. Twarog, and Marian Sheeran; **106** (699), 486-99.
- Shelus, P. J.** — Astrometry with *Hubble Space Telescope* Fine Guidance Sensor Number 3: Position-Mode Stability and Precision. — G. F. Benedict, B. McArthur, E. Nelson, D. Story, A. L. Whipple, W. H. Jefferys, Q. Wang, P. J. Shelus, P. D. Hemenway, J. McCartney, Wm. F. van Altena, R. Duncombe, O. G. Franz, and L. W. Fredrick; **106** (697), 327-36.
- Shetrone, Matthew D.** — Radial Velocities and Line Cores of Halo Giants: M13 (NGC 6205). — Matthew D. Shetrone; **106** (696), 161-4.
- Shore, S. N.** — The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.

- Skiff, Brian A.** — Magnitudes and Colors of SN 1993J Comparison Stars. — Gérard de Vaucouleurs, Harold G. Corwin, Jr., and Brian A. Skiff; **106** (696), 156-60.
- Erratum: Magnitudes and Colors of SN 1993J Comparison Stars (1994, PASP, 106, 156). — G. de Vaucouleurs, Harold G. Corwin, Jr., and Brian A. Skiff; **106** (699), 551 (E).
- Skillman, David R.** — Superhumps in Cataclysmic Binaries. III. V795 Herculis. — Joseph Patterson and David R. Skillman; **106** (705), 1141-50.
- Small, Todd A.** — The *HST* Quasar Absorption-Line Key Project. VIII. CCD Imaging of *Hubble Space Telescope* Quasar Fields. — Sofia Kirhakos, W. L. W. Sargent, Donald P. Schneider, John N. Bahcall, Buell T. Jannuzi, Dan Maoz, and Todd A. Small; **106** (700), 646-69.
- Erratum: The *HST* Quasar Absorption Line Key Project. VIII. CCD Imaging of *Hubble Space Telescope* Quasar Fields (1994, PASP, 106, 646). — Sofia Kirhakos, W. L. W. Sargent, Donald P. Schneider, John N. Bahcall, Buell T. Jannuzi, Dan Maoz, and Todd A. Small; **106** (703), 1020-1 (E).
- Smith, A. M.** — The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.
- Smith, Graeme H.** — Mg II Chromospheric-Emission Dating of HR 1614 Moving-Group Stars. — Beth Hufnagel and Graeme H. Smith; **106** (704), 1068-74.
- Smith, Michael S.** — Photometric Surveys of Suspected Small-Amplitude Red Variables. III. An AAVSO Photometric Photometry Survey. — John R. Percy, Nancy Wong, Dietmar Böhme, David R. Currott, Frank Dempsey, George L. Fortier, Matt Ganis, Stephanie Parello, Howard J. Landis, Kenneth D. Luedeker, Donald Pray, Michael S. Smith, Leroy F. Snyder, Raymond R. Thompson, Rick Wasson, Harold O. Williams, William S. G. Walker, and James E. Wood; **106** (700), 611-5.
- Snyder, Leroy F.** — Photometric Surveys of Suspected Small-Amplitude Red Variables. III. An AAVSO Photometric Photometry Survey. — John R. Percy, Nancy Wong, Dietmar Böhme, David R. Currott, Frank Dempsey, George L. Fortier, Matt Ganis, Stephanie Parello, Howard J. Landis, Kenneth D. Luedeker, Donald Pray, Michael S. Smith, Leroy F. Snyder, Raymond R. Thompson, Rick Wasson, Harold O. Williams, William S. G. Walker, and James E. Wood; **106** (700), 611-5.
- Soker, Noam** — The Expected Morphology of the Solar System Planetary Nebula. — Noam Soker; **106** (695), 59-62.
- Spangler, Stephen R.** — Supernova Remnants and the Physics of Strong Shock Waves. — Donald C. Ellison, Stephen P. Reynolds, Kazimierz Borkowski, Roger Chevalier, Donald P. Cox, John R. Dickel, Ryszard Pisarski, John Raymond, Stephen R. Spangler, Heinrich J. Völk, and John P. Wefel; **106** (701), 780-97 (K).
- Sridharan, T. K.** — A Study of the Cometary Globules in the Gum Nebula. — T. K. Sridharan; **106** (703), 1018 (A).
- Stahler, Steven W.** — Early Stellar Evolution. — Steven W. Stahler; **106** (698), 337-43.
- Stauffer, John R.** — Spectroscopy and Photometry for Low-Mass Stars in Praesepe. — Scott D. Williams, John R. Stauffer, Charles F. Prosser, and Terry Herter; **106** (702), 817-21.
- Stecher, Theodore P.** — Correcting the Distortion of Images Taken with the Ultraviolet Imaging Telescope. — Michael R. Greason, Joel D. Offenber, Robert H. Cornett, Robert S. Hill, and Theodore P. Stecher; **106** (705), 1151-6.
- Stetson, Peter B.** — The Center of the Core-Cusp Globular Cluster M15: CFHT and *HST* Observations, ALLFRAME Reductions. — Peter B. Stetson; **106** (697), 250-80.
- A Color-Magnitude Diagram for NGC 6287: The Oldest Globular Cluster in the Galaxy? — Peter B. Stetson and Michael J. West; **106** (701), 726-35.
- Stockton, Alan** — Synthetic QSO Host Galaxies. — Deborah Maraziti and Alan Stockton; **106** (695), 71-6.
- Story, D.** — Astrometry with *Hubble Space Telescope* Fine Guidance Sensor Number 3: Position-Mode Stability and Precision. — G. F. Benedict, B. McArthur, E. Nelan, D. Story, A. L. Whipple, W. H. Jefferys, Q. Wang, P. J. Shelus, P. D. Hemenway, J. McCartney, Wm. F. van Altena, R. Duncombe, O. G. Franz, and L. W. Fredrick; **106** (697), 327-36.
- Strobel, Nicolas** — The H II Regions of Sextans A. — Paul Hodge, Robert C. Kennicutt, and Nicolas Strobel; **106** (701), 765-9.
- Strobel, Nicolas V.** — The H II Regions of Holmberg II. — Paul Hodge, Nicolas V. Strobel, and Robert C. Kennicutt; **106** (697), 309-14.
- Struble, Mitchell F.** — Spatial Coincidence between a Number of Hickson Compact Groups and Loose Groups or Clusters. — Herbert J. Rood and Mitchell F. Struble; **106** (698), 413-6.
- Sturm, Laszlo** — Application of the TDI Method in Observations of Lunar Occultations. — Laszlo Sturm; **106** (705), 1165-71.
- Suárez Boedo, E.** — Spectral Emission of a Sample of *IRAS* Galaxies. — E. L. Agüero, J. H. Calderón, S. Paolantonio, and E. Suárez Boedo; **106** (703), 978-82.
- Sun, H.** — Revised Sizes and Positions for the M31 Dwarf Galaxy Catalog. — B. F. Madore, H. Sun, J. Bennett, H. G. Corwin, Jr., G. Helou, C. Lague, M. Schmitz, and X. Wu; **106** (695), 63-6.
- Suntzeff, N. B.** — Southern Spectrophotometric Standards. II. — Mario Hamuy, N. B. Suntzeff, S. R. Heathcote, A. R. Walker, P. Gigoux, and M. M. Phillips; **106** (700), 566-89.
- Swearingen, D. J.** — Devices for Observatory Automation. — R. K. Honeycutt, B. R. Adams, D. J. Swearingen, and W. R. Kopp; **106** (700), 670-4.
- Szkody, Paula** — *Ginga* and *ROSAT* Observations of the Cataclysmic Variable S193. — Paula Szkody, Peter Garnavich, Michael Castelaz, and F. Makino; **106** (700), 616-8.

T

- Taff, L. G.** — The Photometric Properties of the *HST* Astrometer Fine Guidance Sensor. — B. Bucciarelli, S. T. Holfeltz, M. G. Lattanzi, L. G. Taff, and P. C. Vener-Saavedra; **106** (698), 417-22.
- Takato, N.** — Wavefront Reconstruction Error of Shack-Hartmann Wavefront Sensors. — N. Takato, M. Iye, and I. Yamaguchi; **106** (696), 182-8.
- Tamura, Shin'ichi** — High-Velocity Flow in the Central Part of the Highly Evolved Planetary Nebula Abell 30. — Yasushi Yadaumaru and Shin'ichi Tamura; **106** (696), 165-9.
- Tanaka, M.** — A Rocket-Borne Observation of the Near-Infrared Sky Brightness. — S. Matsuura, M. Kawada, H. Matsuhara, T. Matsumoto, M. Noda, M. Tanaka, and J. J. Bock; **106** (701), 770-9.
- Tanvir, Nial** — A Low-Dispersion Survey Spectrograph (LDSS-2) for the William Herschel Telescope. — Jeremy Allington-Smith, Mike Breare, Richard Ellis, Dave Gellatly, Karl Glazebrook, Paul Jorden, John MacLean, Paddy Oates, Graham Shaw, Nial Tanvir, Keith Taylor, Philip Taylor, John Webster, and Sue Worswick; **106** (703), 983-91.
- Taylor, A. R.** — On the Expansion Velocities of Planetary Nebulae and the Circumstellar Envelopes of AGB Stars. — G. T. Gussie and A. R. Taylor; **106** (699), 500-7.
- Taylor, Benjamin J.** — Analyses of Archival Data for Cool Dwarfs. I. The Solar $B - V$ Problem Reconsidered. — Benjamin J. Taylor; **106** (699), 444-51.
- Analyses of Archival Data for Cool Dwarfs. II. A Catalog of Temperatures. — Benjamin J. Taylor; **106** (699), 452-61.
- Analyses of Archival Data for Cool Dwarfs. III. The Choice and Application of Analysis Procedures. — Benjamin J. Taylor; **106** (700), 590-9.
- Analyses of Archival Data for Cool Dwarfs. IV. [Fe/H] and Related Properties for the Hyades and Coma. — Benjamin J. Taylor; **106** (700), 600-10.
- Analyses of Archival Data for Cool Dwarfs. V. An Annotated Catalog of Averaged Values of [Fe/H]. — Benjamin J. Taylor; **106** (701), 704-17.
- Erratum: Analyses of Archival Data for Cool Dwarfs. II. A Catalog of Temperatures (1994, PASP, 106, 452). — Benjamin J. Taylor; **106** (702), 919 (E).

- Taylor, Keith** — A Low-Dispersion Survey Spectrograph (LDSS-2) for the William Herschel Telescope. — Jeremy Allington-Smith, Mike Breare, Richard Ellis, Dave Gellatly, Karl Glazebrook, Paul Jorden, John MacLean, Paddy Oates, Graham Shaw, Nial Tanvir, Keith Taylor, Philip Taylor, John Webster, and Sue Worswick; **106** (703), 983-91.
- Taylor, Philip** — A Low-Dispersion Survey Spectrograph (LDSS-2) for the William Herschel Telescope. — Jeremy Allington-Smith, Mike Breare, Richard Ellis, Dave Gellatly, Karl Glazebrook, Paul Jorden, John MacLean, Paddy Oates, Graham Shaw, Nial Tanvir, Keith Taylor, Philip Taylor, John Webster, and Sue Worswick; **106** (703), 983-91.
- Terrell, Dirk** — New Light Curves and Analysis of the Short-Period Algol XZ Canis Minoris. — Dirk Terrell, J. B. Gunn, and Daniel H. Kaiser; **106** (696), 149-53.
- Thompson, Raymond R.** — Photometric Surveys of Suspected Small-Amplitude Red Variables. III. An AAVSO Photometric Photometry Survey. — John R. Percy, Nancy Wong, Dietmar Böhme, David R. Currott, Frank Dempsey, George L. Fortier, Matt Ganis, Stephanie Parello, Howard J. Landis, Kenneth D. Luedeker, Donald Pray, Michael S. Smith, Leroy F. Snyder, Raymond R. Thompson, Rick Wasson, Harold O. Williams, William S. G. Walker, and James E. Wood; **106** (700), 611-5.
- Thompson, Richard J., Jr.** — Soft X-ray Analysis and Multiwavelength Modeling of X-ray-Selected Active Galactic Nuclei. — Richard J. Thompson, Jr.; **106** (705), 1222 (A).
- Thompson, Rodger I.** — GRIS: The Grating Infrared Spectrometer. — Rodger I. Thompson, Harland W. Epps, Greg Winters, William Womack, and Eric Mentzell; **106** (695), 94-100.
- Timothy, J. G.** — Speckle Imaging with the MAMA Detector: Preliminary Results. — E. Horch, J. F. Heanue, J. S. Morgan, and J. G. Timothy; **106** (703), 992-1002.
- Tomkin, Jocelyn** — The Carbon Underabundance of the Secondary of V356 Sagittarii. — Jocelyn Tomkin and David L. Lambert; **106** (698), 365-9.
- Trafton, L. M.** — The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.
- Tran, Hien D.** — Spectropolarimetry of Seyfert 2 Galaxies with Obscured Broad-Line Regions. — Hien D. Tran; **106** (695), 105 (A).
- Trimble, Virginia** — Astrophysics in 1993. — Virginia Trimble and Peter J. T. Leonard; **106** (695), 1-24.
- Tsvetkov, D. Yu.** — Distribution of Supernovae Relative to Spiral Arms and H II Regions. — O. S. Bartunov, D. Yu. Tsvetkov, and I. V. Filimonova; **106** (706), 1276-84.
- Tucker, Douglas Lee** — An Observational Study of Galaxies and their Environment on Large Scales. — Douglas Lee Tucker; **106** (701), 814 (A).
- Twarog, Bruce A.** — A Photometric and Radial-Velocity Analysis of the Intermediate-Age Open Cluster NGC 752. — Scott A. Daniel, David W. Latham, Robert D. Mathieu, and Bruce A. Twarog; **106** (697), 281-308.
- *u-by-H β* CCD Photometry of Melotte 66: A Disk Analog of Omega Centauri? — Barbara J. Anthony-Twarog, Bruce A. Twarog, and Marian Sheeran; **106** (699), 486-99.
- V**
- van Altena, Wm. F.** — Astrometry with *Hubble Space Telescope* Fine Guidance Sensor Number 3: Position-Mode Stability and Precision. — G. F. Benedict, B. McArthur, E. Nelan, D. Story, A. L. Whipple, W. H. Jefferys, Q. Wang, P. J. Shelus, P. D. Hemenway, J. McCartney, Wm. F. van Altena, R. Duncombe, O. G. Franz, and L. W. Fredrick; **106** (697), 327-36.
- van den Bergh, Sidney** — The Hubble Parameter Revisited. — Sidney van den Bergh; **106** (705), 1113-9.
- van Diepen, G. N. J.** — The La Palma Data Archive. — E. J. Zuiderwijk, R. Martin, E. Raimond, and G. N. J. van Diepen; **106** (699), 515-22.
- Vanture, Andrew D.** — Abundances in Three Heavy-Element Stars in Omega Centauri. — Andrew D. Vanture, George Wallerstein, and Jeffery A. Brown; **106** (702), 835-42.
- Vaucouleurs, Gérard de** — Magnitudes and Colors of SN 1993J Comparison Stars. — Gérard de Vaucouleurs, Harold G. Corwin, Jr., and Brian A. Skiff; **106** (696), 156-60.
- Vener-Saavedra, P. C.** — The Photometric Properties of the *HST* Astrometer Fine Guidance Sensor. — B. Bucciarelli, S. T. Hoffeltz, M. G. Lattanzi, L. G. Taff, and P. C. Vener-Saavedra; **106** (698), 417-22.
- Vio, Roberto** — Echo Mapping of Active Galactic Nuclei Broad-Line Regions: Fundamental Algorithms. — Roberto Vio, Keith Horne, and Willem Wamsteker; **106** (704), 1091-103.
- Völk, Heinrich J.** — Supernova Remnants and the Physics of Strong Shock Waves. — Donald C. Ellison, Stephen P. Reynolds, Kazimierz Borkowski, Roger Chevalier, Donald P. Cox, John R. Dickel, Ryszard Pisarski, John Raymond, Stephen R. Spangler, Heinrich J. Völk, and John P. Wefel; **106** (701), 780-97 (K).
- W**
- Wahlgren, G.** — The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.
- Walker, A. R.** — Southern Spectrophotometric Standards. II. — Mario Hamuy, N. B. Suntzeff, S. R. Heathcote, A. R. Walker, P. Gigoux, and M. M. Phillips; **106** (700), 566-89.
- Walker, Alistair R.** — *BVRI* Photometry of the ω Centauri *Hubble Space Telescope* Calibration Field. — Alistair R. Walker; **106** (702), 828-34.
- Walker, Andrew R.** — Direct Imaging of Faint Stellar Companions. — Gordon A. H. Walker, Andrew R. Walker, René Racine, J. Murray Fletcher, and Robert D. McClure; **106** (698), 356-62.
- Walker, Gordon A. H.** — Direct Imaging of Faint Stellar Companions. — Gordon A. H. Walker, Andrew R. Walker, René Racine, J. Murray Fletcher, and Robert D. McClure; **106** (698), 356-62.
- Walker, William S. G.** — Photometric Surveys of Suspected Small-Amplitude Red Variables. III. An AAVSO Photometric Photometry Survey. — John R. Percy, Nancy Wong, Dietmar Böhme, David R. Currott, Frank Dempsey, George L. Fortier, Matt Ganis, Stephanie Parello, Howard J. Landis, Kenneth D. Luedeker, Donald Pray, Michael S. Smith, Leroy F. Snyder, Raymond R. Thompson, Rick Wasson, Harold O. Williams, William S. G. Walker, and James E. Wood; **106** (700), 611-5.
- Wallerstein, George** — Abundances in Three Heavy-Element Stars in Omega Centauri. — Andrew D. Vanture, George Wallerstein, and Jeffery A. Brown; **106** (702), 835-42.
- Walter, Donald K.** — The Physical Diagnostics and Ionization Structure of the Orion Nebula. — Donald K. Walter; **106** (695), 106.
- Walter, F. M.** — The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.
- Wamsteker, Willem** — Echo Mapping of Active Galactic Nuclei Broad-Line Regions: Fundamental Algorithms. — Roberto Vio, Keith Horne, and Willem Wamsteker; **106** (704), 1091-103.
- Wang, Q.** — Astrometry with *Hubble Space Telescope* Fine Guidance Sensor Number 3: Position-Mode Stability and Precision. — G. F. Benedict, B. McArthur, E. Nelan, D. Story, A. L. Whipple, W. H. Jefferys, Q. Wang, P. J. Shelus, P. D. Hemenway, J. McCartney, Wm. F. van Altena, R. Duncombe, O. G. Franz, and L. W. Fredrick; **106** (697), 327-36.

- Wasson, Rick** — Photometric Surveys of Suspected Small-Amplitude Red Variables. III. An AAVSO Photometric Photometry Survey. — John R. Percy, Nancy Wong, Dietmar Böhme, David R. Currott, Frank Dempsey, George L. Fortier, Matt Ganis, Stephanie Parello, Howard J. Landis, Kenneth D. Luedeker, Donald Pray, Michael S. Smith, Leroy F. Snyder, Raymond R. Thompson, Rick Wasson, Harold O. Williams, William S. G. Walker, and James E. Wood; **106** (700), 611-5.
- Webbink, R. F.** — Spectroscopy and Photometry of the Dwarf Nova BZ Ursae Majoris and the CV Linewidth/ K , Mass-Ratio Relation. — J. S. Jurcevic, R. K. Honeycutt, E. M. Schlegel, and R. F. Webbink; **106** (699), 481-5.
- Webster, John** — A Low-Dispersion Survey Spectrograph (LDSS-2) for the William Herschel Telescope. — Jeremy Allington-Smith, Mike Breare, Richard Ellis, Dave Gellatly, Karl Glazebrook, Paul Jorden, John MacLean, Paddy Oates, Graham Shaw, Nial Tanvir, Keith Taylor, Philip Taylor, John Webster, and Sue Worswick; **106** (703), 983-91.
- Wefel, John P.** — Supernova Remnants and the Physics of Strong Shock Waves. — Donald C. Ellison, Stephen P. Reynolds, Kazimierz Borkowski, Roger Chevalier, Donald P. Cox, John R. Dickel, Ryszard Pisarski, John Raymond, Stephen R. Spangler, Heinrich J. Völk, and John P. Wefel; **106** (701), 780-97 (K).
- Wehlau, William** — Surface Distribution of Iron and Chromium on 84 Ursae Majoris. — John Rice and William Wehlau; **106** (696), 134-7.
- Welty, Alan D.** — The Reduction of Fiber-Fed Echelle Spectrograph Data: Methods and an IDL-Based Solution Procedure. — Jeffrey C. Hall, Eliza E. Fulton, David P. Huenemoerder, Alan D. Welty, and James E. Neff; **106** (697), 315-26.
- Wenderoth, Erich** — Spectroscopy of an Extremely Blue Star in the Globular Cluster NGC 2298. — Erich Wenderoth, Franklin Alvarado, William Liller, and Mark M. Phillips; **106** (701), 718-21.
- West, M. E.** — Coexisting with GLONASS: Observing the 1612 MHz Hydroxyl Line. — W. L. Combrink, M. E. West, and M. J. Gaylard; **106** (701), 807-12.
- West, Michael J.** — A Color-Magnitude Diagram for NGC 6287: The Oldest Globular Cluster in the Galaxy? — Peter B. Stetson and Michael J. West; **106** (701), 726-35.
- Weymann, R. J.** — The Goddard High Resolution Spectrograph: Instrument, Goals, and Science Results. — J. C. Brandt, S. R. Heap, E. A. Beaver, A. Boggess, K. G. Carpenter, D. C. Ebbets, J. B. Hutchings, M. Jura, D. S. Leckrone, J. L. Linsky, S. P. Maran, B. D. Savage, A. M. Smith, L. M. Trafton, F. M. Walter, R. J. Weymann, T. B. Ake, F. Bruhweiler, J. A. Cardelli, D. J. Lindler, E. Malumuth, C. E. Randall, R. Robinson, S. N. Shore, and G. Wahlgren; **106** (702), 890-908.
- Whipple, A. L.** — Astrometry with *Hubble Space Telescope* Fine Guidance Sensor Number 3: Position-Mode Stability and Precision. — G. F. Benedict, B. McArthur, E. Nelan, D. Story, A. L. Whipple, W. H. Jefferys, Q. Wang, P. J. Shelus, P. D. Hemenway, J. McCartney, Wm. F. van Altena, R. Duncombe, O. G. Franz, and L. W. Fredrick; **106** (697), 327-36.
- White, Russel J.** — Comments on Cross-Correlation Methodology in Variability Studies of Active Galactic Nuclei. — Russel J. White and Bradley M. Peterson; **106** (702), 879-89.
- Williams, Harold O.** — Photometric Surveys of Suspected Small-Amplitude Red Variables. III. An AAVSO Photometric Photometry Survey. — John R. Percy, Nancy Wong, Dietmar Böhme, David R. Currott, Frank Dempsey, George L. Fortier, Matt Ganis, Stephanie Parello, Howard J. Landis, Kenneth D. Luedeker, Donald Pray, Michael S. Smith, Leroy F. Snyder, Raymond R. Thompson, Rick Wasson, Harold O. Williams, William S. G. Walker, and James E. Wood; **106** (700), 611-5.
- Williams, Scott D.** — Spectroscopy and Photometry for Low-Mass Stars in Praesepe. — Scott D. Williams, John R. Stauffer, Charles F. Prosser, and Terry Herter; **106** (702), 817-21.
- Wilson, R. E.** — Binary-Star Light-Curve Models. — R. E. Wilson; **106** (703), 921-41.
- Wilson, Richard W.** — Closure-Phase Imaging with Partial Adaptive Correction. — Christopher A. Haniff and Richard W. Wilson; **106** (703), 1003-14.
- Wilson, W. J. F.** — Erratum: Studies of Large-Amplitude Delta Scuti Variables. I. A Case Study of EH Librae (1993, PASP, 105, 809). — W. J. F. Wilson, E. F. Milone, and D. J. I. Fry; **106** (699), 550 (E).
- Studies of Large-Amplitude Delta Scuti Variables. II. DY Herculis. — E. F. Milone, W. J. F. Wilson, D. J. I. Fry, and S. J. Schiller; **106** (705), 1120-33.
- Windhorst, Rogier A.** — Removing Cosmic-Ray Hits from Multiorbit *HST* Wide Field Camera Images. — Rogier A. Windhorst, Barbara E. Franklin, and Lyman W. Neuschaefer; **106** (701), 798-806.
- Winters, Greg** — GRIS: The Grating Infrared Spectrometer. — Rodger I. Thompson, Harland W. Epps, Greg Winters, William Womack, and Eric Mentzell; **106** (695), 94-100.
- Wittman, David** — A Reflective Shack-Hartmann Wave-Front Sensor for Adaptive Optics. — D'nardo Colucci, Michael Lloyd-Hart, David Wittman, Roger Angel, Andrea Ghez, and Brian McLeod; **106** (704), 1104-10.
- Wolinski, Karen G.** — The UV Polarization of X-ray Binary Systems Observed with the *Hubble Space Telescope*. — Karen G. Wolinski; **106** (703), 1019 (A).
- Womack, William** — GRIS: The Grating Infrared Spectrometer. — Rodger I. Thompson, Harland W. Epps, Greg Winters, William Womack, and Eric Mentzell; **106** (695), 94-100.
- Wong, Nancy** — Photometric Surveys of Suspected Small-Amplitude Red Variables. III. An AAVSO Photometric Photometry Survey. — John R. Percy, Nancy Wong, Dietmar Böhme, David R. Currott, Frank Dempsey, George L. Fortier, Matt Ganis, Stephanie Parello, Howard J. Landis, Kenneth D. Luedeker, Donald Pray, Michael S. Smith, Leroy F. Snyder, Raymond R. Thompson, Rick Wasson, Harold O. Williams, William S. G. Walker, and James E. Wood; **106** (700), 611-5.
- Wood, James E.** — Photometric Surveys of Suspected Small-Amplitude Red Variables. III. An AAVSO Photometric Photometry Survey. — John R. Percy, Nancy Wong, Dietmar Böhme, David R. Currott, Frank Dempsey, George L. Fortier, Matt Ganis, Stephanie Parello, Howard J. Landis, Kenneth D. Luedeker, Donald Pray, Michael S. Smith, Leroy F. Snyder, Raymond R. Thompson, Rick Wasson, Harold O. Williams, William S. G. Walker, and James E. Wood; **106** (700), 611-5.
- Worswick, Sue** — A Low-Dispersion Survey Spectrograph (LDSS-2) for the William Herschel Telescope. — Jeremy Allington-Smith, Mike Breare, Richard Ellis, Dave Gellatly, Karl Glazebrook, Paul Jorden, John MacLean, Paddy Oates, Graham Shaw, Nial Tanvir, Keith Taylor, Philip Taylor, John Webster, and Sue Worswick; **106** (703), 983-91.
- Wu, X.** — Revised Sizes and Positions for the Mailyan Dwarf Galaxy Catalog. — B. F. Madore, H. Sun, J. Bennett, H. G. Corwin, Jr., G. Helou, C. Lague, M. Schmitz, and X. Wu; **106** (695), 63-6.
- Wyse, Rosemary F. G.** — Dwarf Spheroidal Galaxies: Keystones of Galaxy Evolution. — John S. Gallagher, III and Rosemary F. G. Wyse; **106** (706), 1225-38.

Y

- Yadoumaru, Yasushi** — High-Velocity Flow in the Central Part of the Highly Evolved Planetary Nebula Abell 30. — Yasushi Yadoumaru and Shin'ichi Tamura; **106** (696), 165-9.
- Yamaguchi, I.** — Wavefront Reconstruction Error of Shack-Hartmann Wavefront Sensors. — N. Takato, M. Iye, and I. Yamaguchi; **106** (696), 182-8.
- Yanny, Brian** — Geometry of the *Hubble Space Telescope* Wide Field/Planetary Camera Field. — Andrew Gould and Brian Yanny; **106** (695), 101-3.
- Yoon, Tae S.** — Quantitative Spectral Types for 19 Algol Secondaries. — Tae S. Yoon, R. Kent Honeycutt, Ronald H. Kaitchuck, and Eric M. Schlegel; **106** (697), 239-43.
- Young, Tony** — KSPEC—A Near-Infrared Cross-Dispersed Spectrograph. — Klaus-Werner Hodapp, Joseph L. Hora, Everett Irwin, and Tony Young; **106** (695), 87-93.

Z

- Zamkoff, E.** — HL Canis Majoris in Preoutburst and SS Cygni-The Interoutburst Disk Instability. — C. S. Mansperger, R. H. Kaitchuck, P. M. Garnavich, N. Dinshaw, and E. Zamkoff; **106** (702), 858-68.
- Zuidervijk, E. J.** — The La Palma Data Archive. — E. J. Zuidervijk, R. Martin, E. Raimond, and G. N. J. van Diepen; **106** (699), 515-22.

